SERVICE MANUAL

POWER AMPLIFIER

SANYO

JA 760 BLACK

(EUROPE)

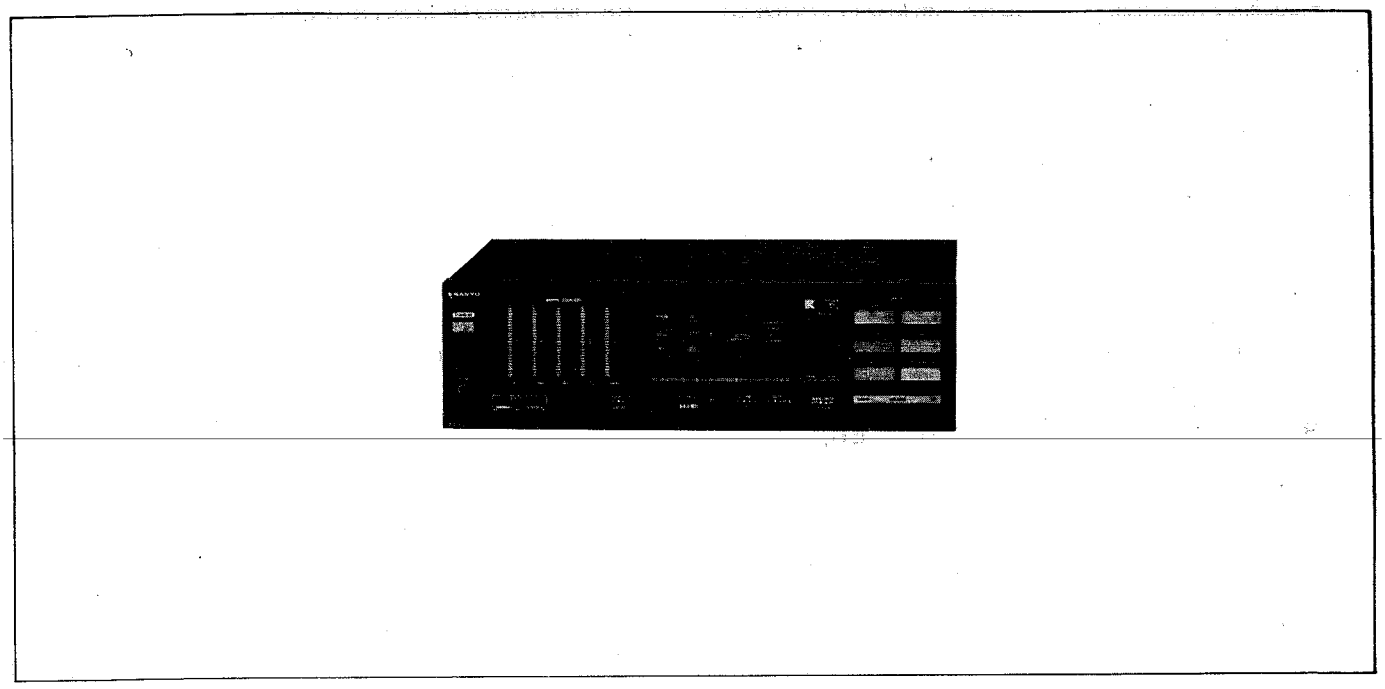


TABLE OF CONTENTS

SPECIFICATIONS 1
PARTS LIST (REMOTE CONTROLLER) 1
CABINET & CHASSIS EXPLODED VIEW (REMOTE CONTROLLER) 2
SCHEMATIC DIAGRAM (REMOTE CONTROLLER) 3
WIRING DIAGRAM (REMOTE CONTROLLER) 4
IC BLOCK DIAGRAM (REMOTE CONTROLLER) 5
DISASSEMBLY INSTRUCTIONS 6–7
BLOCK DIAGRAM 8
TRANSMISSION SIGNAL FROM REMOTE CONTROLLER 9
MICROCOMPUTER & ITS FUNCTIONS 10–11
SYSTEM CONTROL BY MICROCOMPUTOR 12
PRINCIPAL OPERATIONS 13–14
CABINET & CHASSIS EXPLODED VIEW 15
PARTS LIST 16–21
SCHEMATIC DIAGRAM 22–29
WIRING DIAGRAMS 30–33
IC BLOCK DIAGRAMS 34–36
BIAS CURRENT ADJUSTMENT 37

WM-16309

SPECIFICATIONS

NOTE:
The below mentioned specifications are mainly based on the IHF measurements standard. They can therefore not directly be compared with specifications based on the DIN standard or other standards.

Continuous output power:	100 W x 2 (at 8 ohms, 0.3% distortion)
Input sensitivity and impedance:	PHONO; 2.5 mV/47 kohms AUX/TV/VIDEO/CD; 150 mV/47 kohms
Frequency response:	20 Hz – 35 kHz (TV/VIDEO)
Graphic equalizer:	±10 dB (63/250/1000/4000/16000 Hz)
Loudness control response (Vol. –30 dB):	+8 dB/+4 dB (100 Hz/10kHz)
Signal to noise ratio:	95 dB (TV/VIDEO)
Power requirements:	AC: 220 V, 50 Hz
Power consumption:	520 W
AC outlets (SWITCHED):	100 W max.
Dimensions (W x D x H):	Approx. 420 x 270 x 130 mm (16-1/2" x 10-5/8" x 5-1/8")
Weight:	Approx. 9 kg (20 lbs.)

RB 760 REMOTE CONTROLLER

Power requirements:	DC: 3 V, "R6/AA/SUM-3" battery x 2
Dimensions (W x D x H):	Approx. 55 x 20 x 167 mm (2-3/16" x 13/16" x 6-5/8")
Weight:	Approx. 110 g (4 ozs.) (including batteries)

Specifications subject to change without ontice.

NOTE:
The power switch is mounted on the secondary side and does not disconnected the unit from AC-power, even when switched off.

PARTS LIST (REMOTE CONTROLLER)

NOTE:
* Materials of Capacitors and Resistors are abbreviated as follows;

AL ELECT .....Aluminum Electrolytic
BC CON .....Semiconductor Ceramic
CHIP BC .....Chip Semiconductor Ceramic
CHIP TAN .....Chip Tantal
ELECT .....Electrolytic
PP CON .....Polypropylene
MT GLAZE .....Metal Glaze
FP CARBON .....Flameproof Carbon

* Tolerance of Capacitors and Resistors are noted with follow symboles;

J .....±5%
K .....±10%
M .....±20%
N .....±30%
P .....+ 100 – 0%
Q .....+ 30 – 10%
Z .....+ 80 – 20%

PACKING & ACCESSORIES

Ref. No.	Part No.	Description
	141-6-231T-13400	INNER POLYE COVER

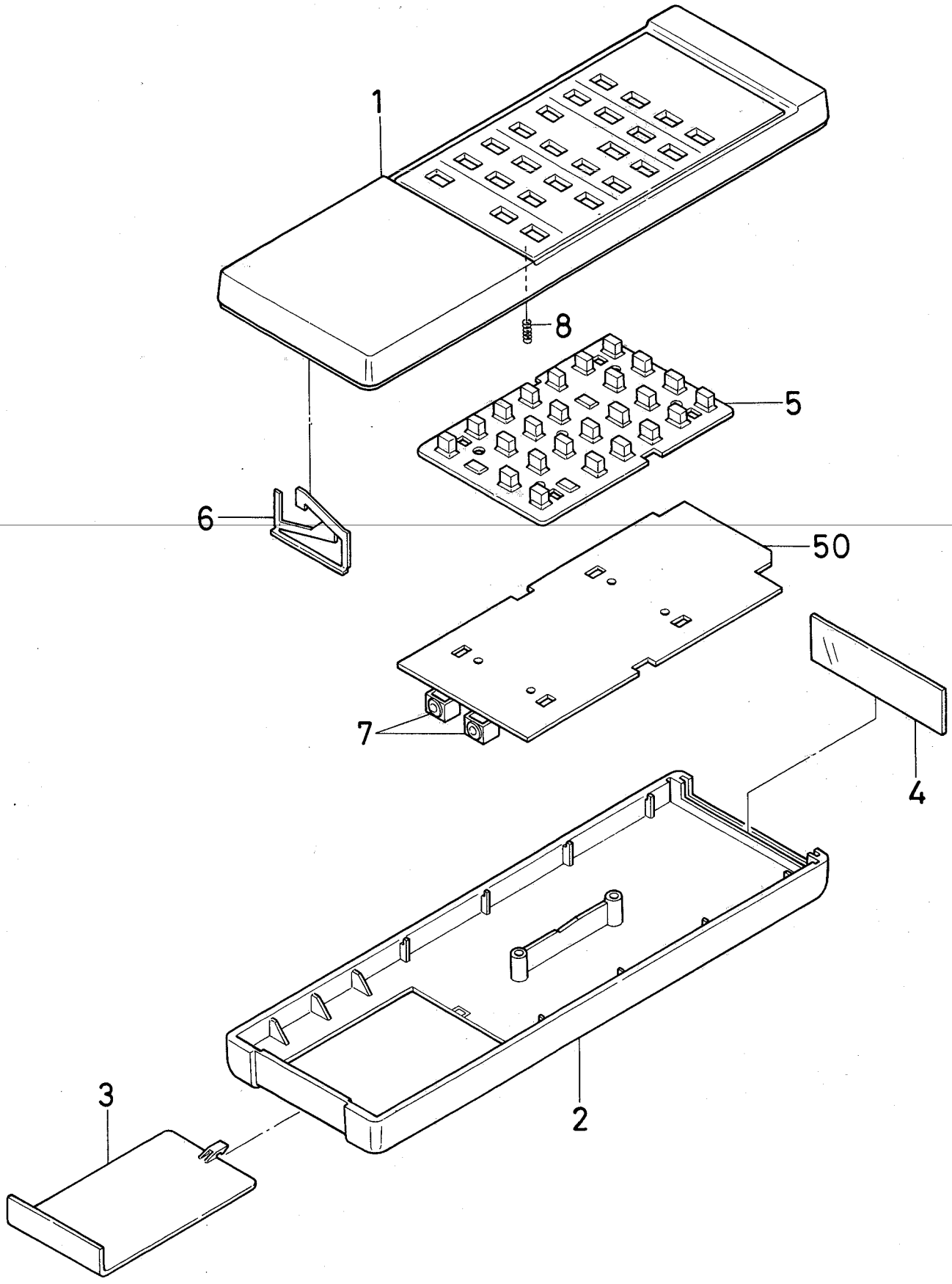
CABINET & CHASSIS

Ref. No.	Part No.	Description
1	141-0-124T-50101	TOP LID ASSY
2	141-2-125T-41000	BOTTOM LID
3	141-2-128T-25200	BATTERY LID
4	141-2-132T-27400	SIGN WINDOW
5	141-2-160T-67701	PUSH BUTTON
6	141-2-382T-23400	TERMINAL
7	141-2-382T-23500	TERMINAL
8	141-2-856T-60900	SPRING COIL

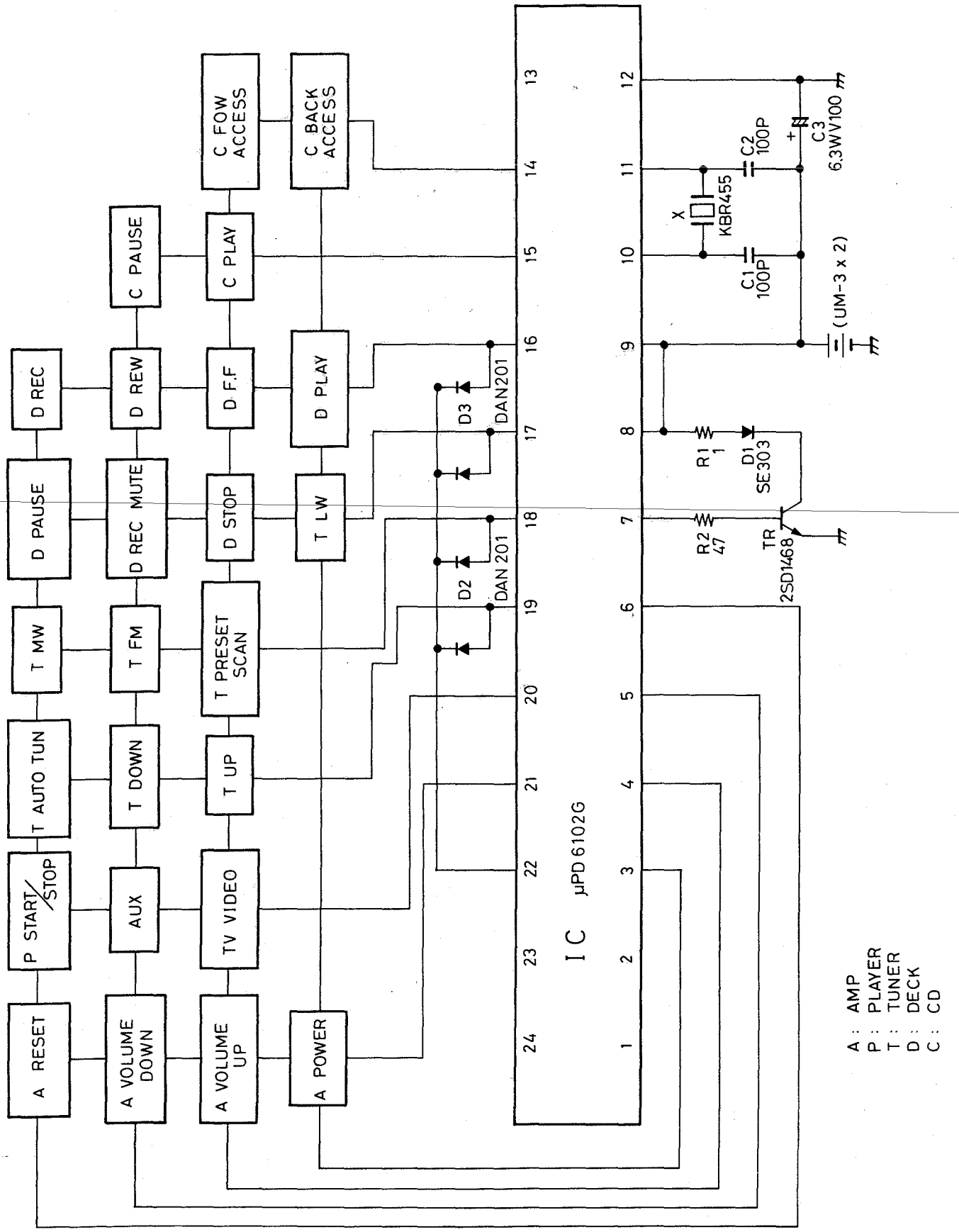
REMOTE CONTROL PCB ASSY

Ref. No.	Part No.	Description
50	141-4-285T-50500	P.C BOARD ASSY, REMOTE CONTROL
X	4-266T-01800	CERAMIC RESONATOR
IC	S1UPD6102G+++	IC UPD6102G MF20
TR	STD1468R+++++	TR 2SD1468 R
D1	SLSE303A+++++	LED SE303A
D2	SDDAN201+++++	DIODE DAN201
D3	SDDAN201+++++	DIODE DAN201
C1	CC+50101KDYBS	CERAMIC 100PF 50V K D YB
C2	CC+50101KDYBS	CERAMIC 100PF 50V K D YB
C3	CE6R3107MVAKS	ELECT 100MF 6.3V M V AK
R1	RC +4010JP++R	CARBON P 1 OHM J 1/4W R25
R2	RC +4470JP++R	CARBON P 47 OHM J1/4WR25

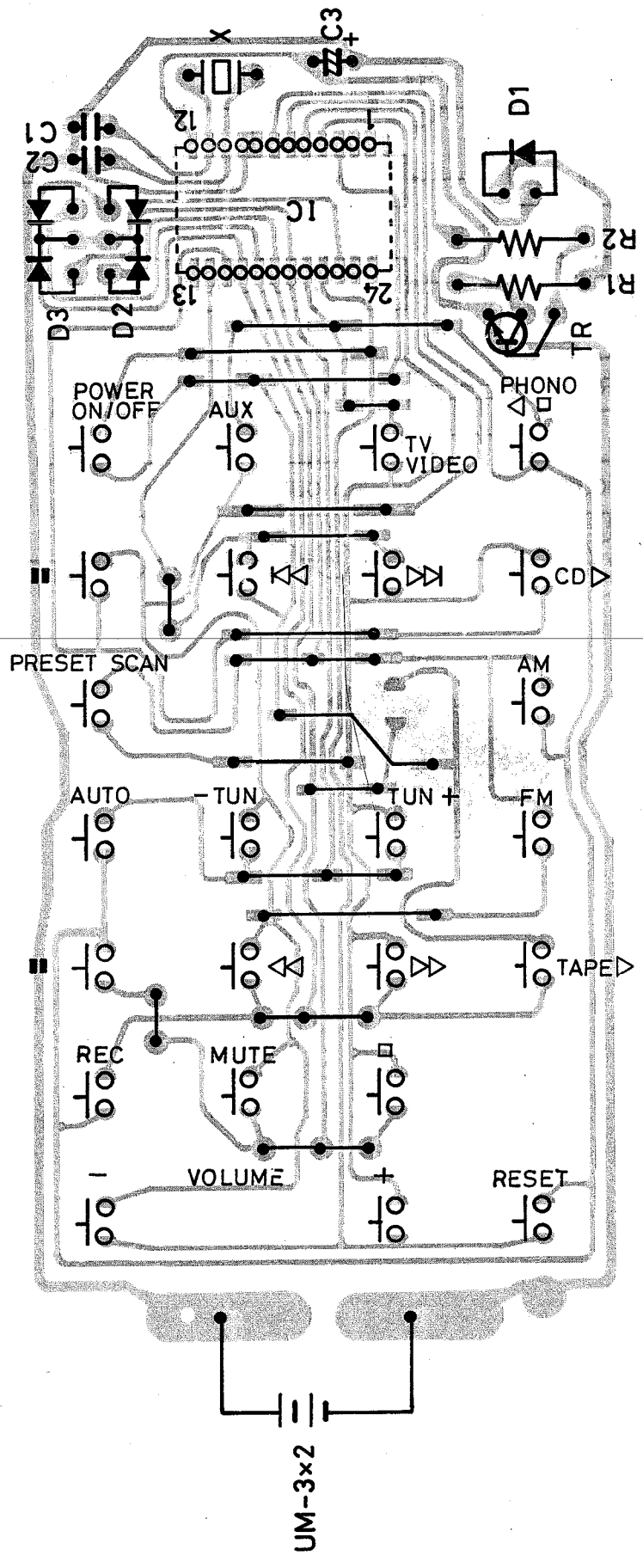
CABINET & CHASSIS EXPLODED VIEW (REMOTE CONTROLLER)



SCHEMATIC DIAGRAM (REMOTE CONTROLLER)

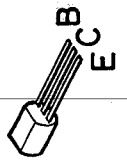


WIRING DIAGRAM (REMOTE CONTROLLER)



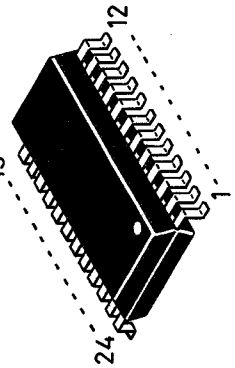
TRANSISTOR CONNECTION

2SD1468



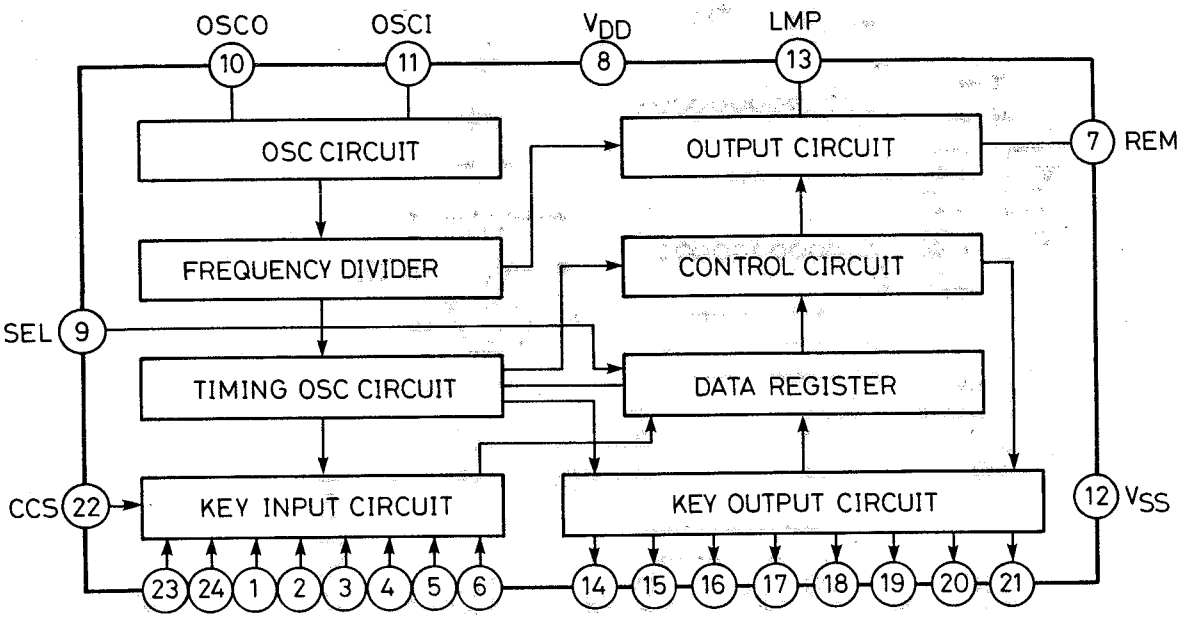
IC CONNECTION

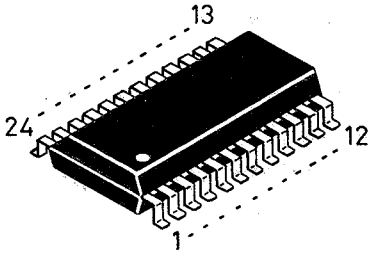
μPD6102G



IC BLOCK DIAGRAM (REMOTE CONTROLLER)

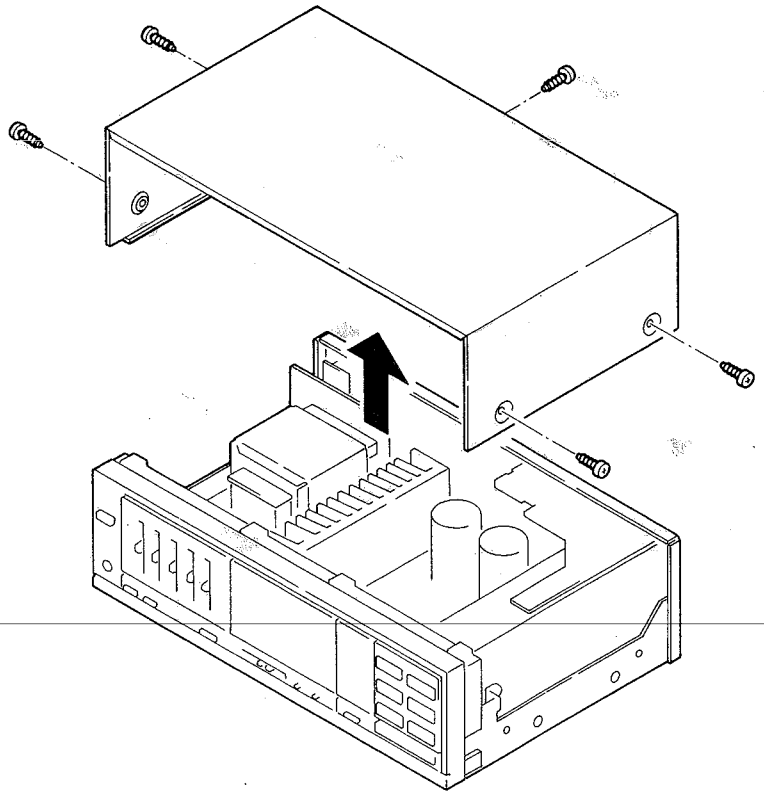
μPD6102G



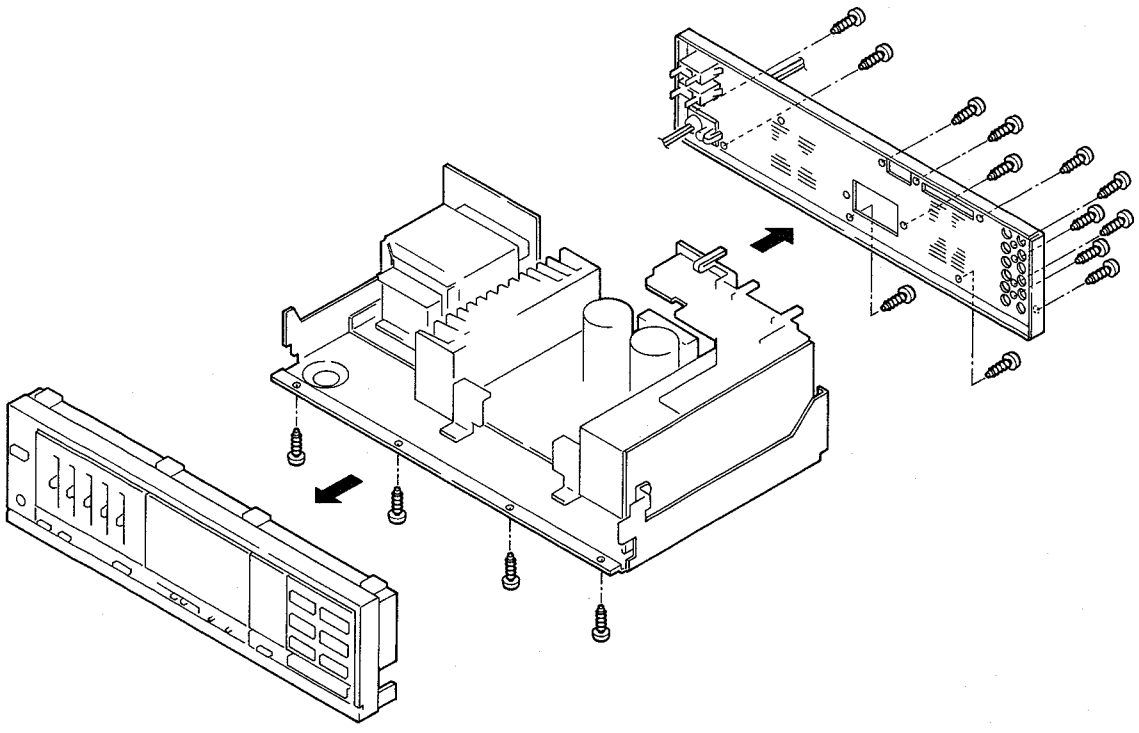


DISASSEMBLY INSTRUCTIONS

Cabinet Disassembly

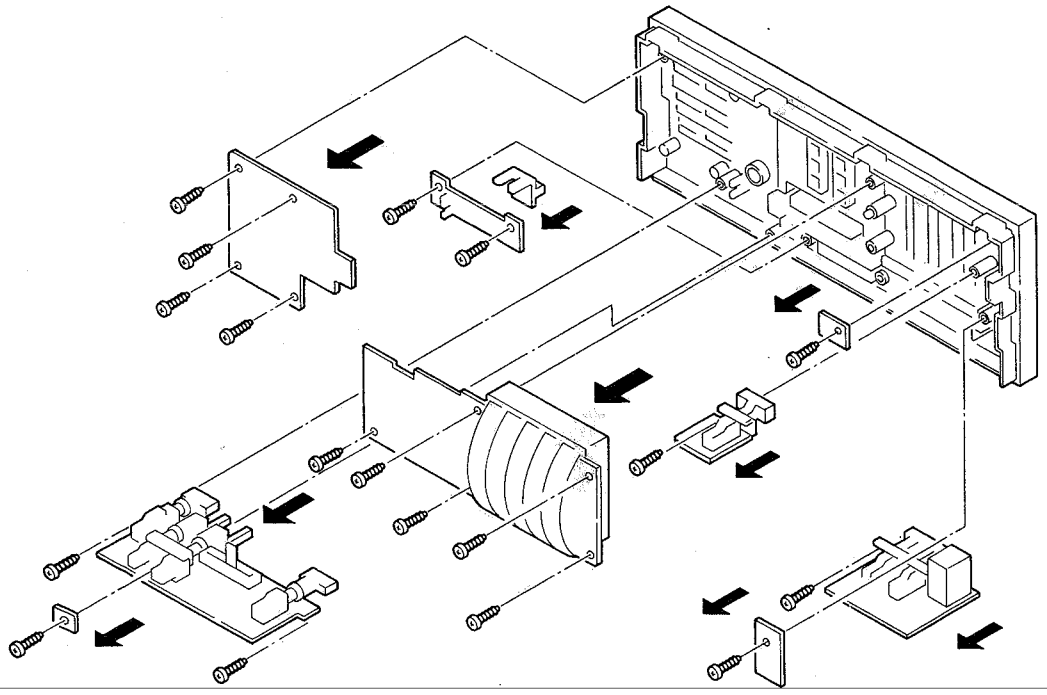


Front Panel and Back Panel Disassembly

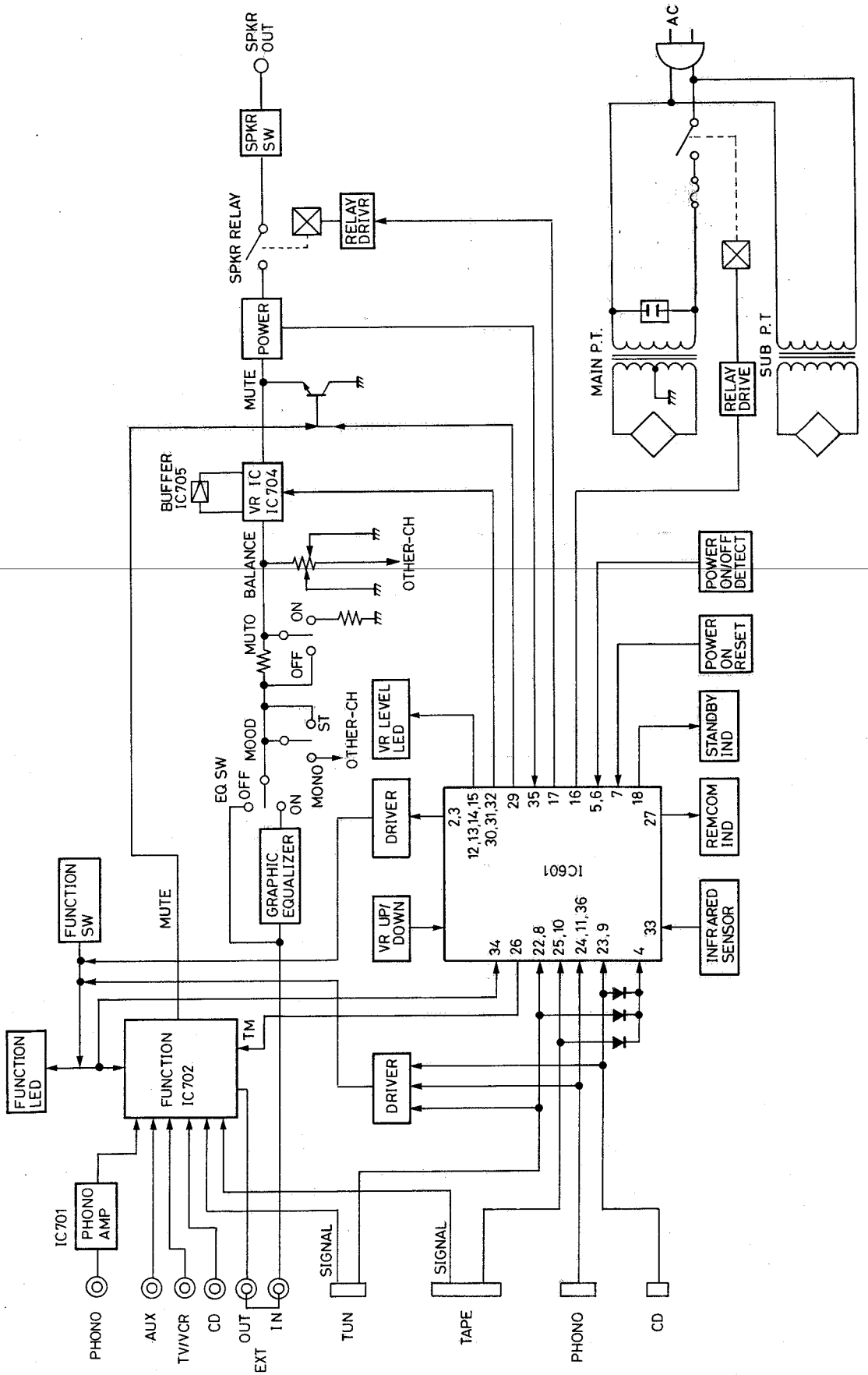


DISASSEMBLY INSTRUCTIONS

PCB Disassembly

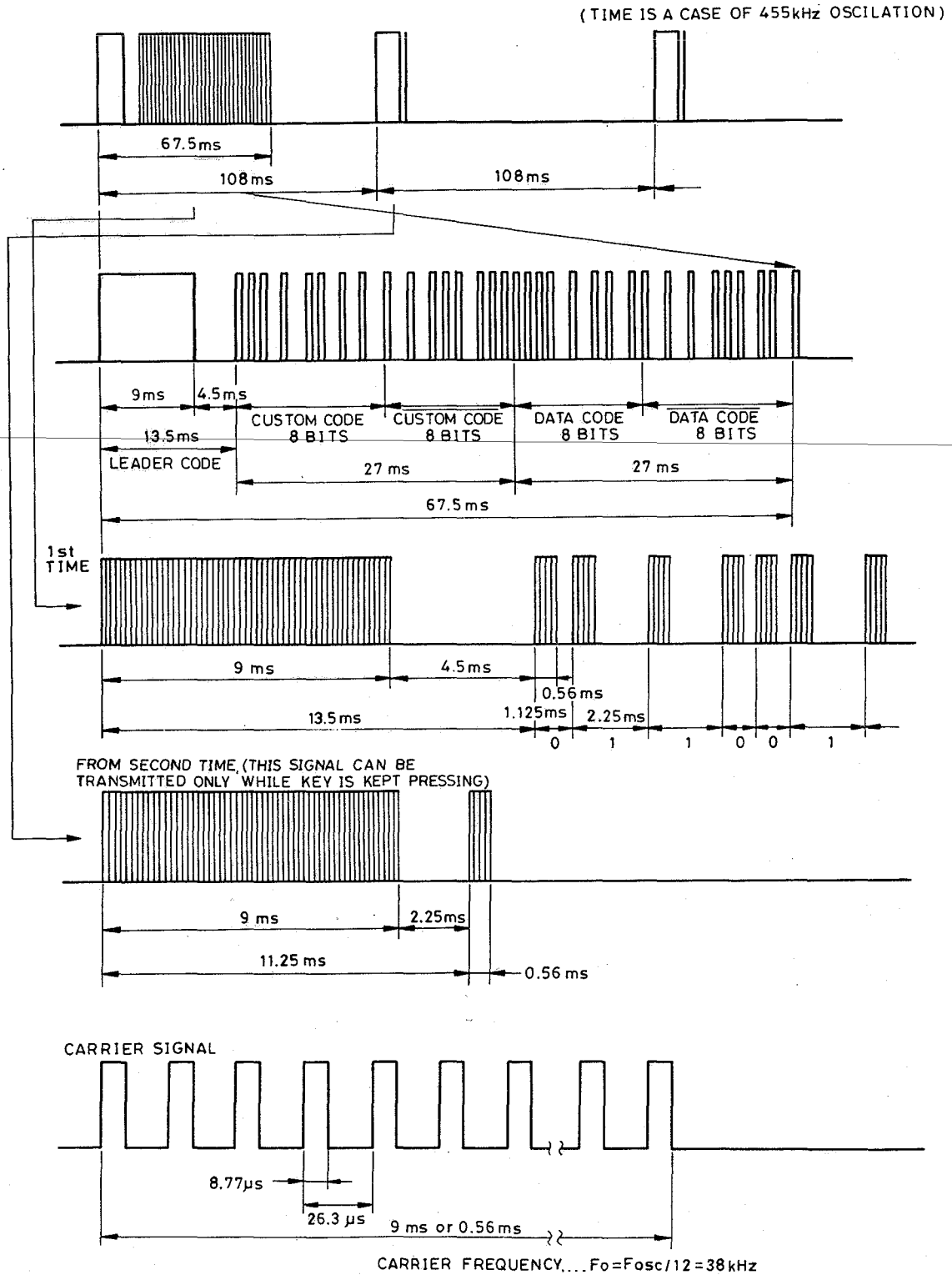


BLOCK DIAGRAM

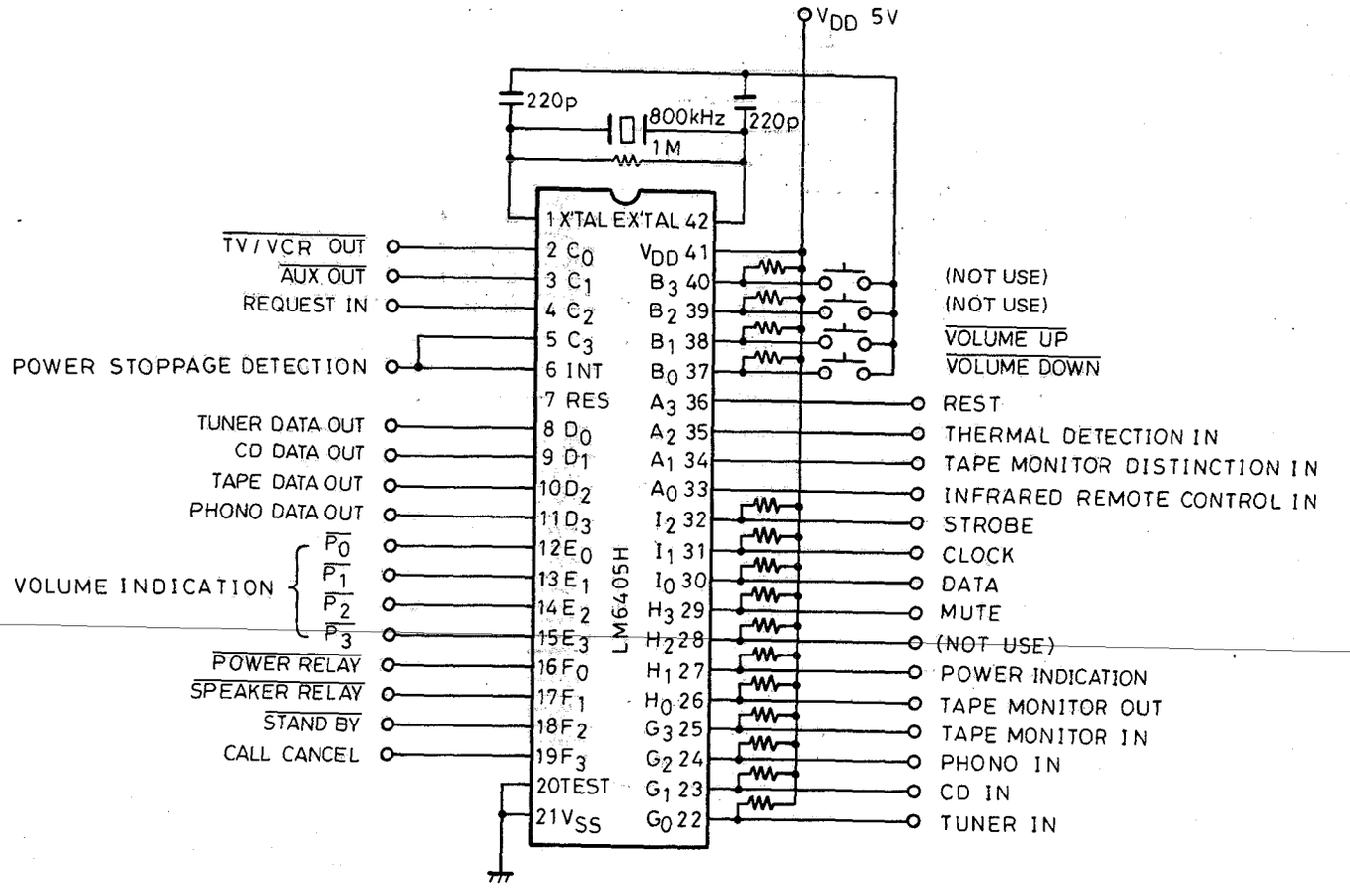


TRANSMISSION SIGNAL FROM REMOTE CONTROLLER

16 bits transmission signal from the remote controller is composed of the leader code, custom code and data code. This transmission signal is directly decoded at the 4 bits microprocessor in the power amplifier (JA 760).
The leader code is composed of 9m sec carrier and 4.5m sec blank time. The custom code and data code are transmitted conbined with their reverse codes to prevent malfunction and to obtain reliable transmitting and receiving of infrared-ray.



MICROCOMPUTOR & ITS FUNCTION



1. X'tal
2. TV/VCR OUT
   Switch on TV/VCR mode of IC702 LC7818.
3. AUX OUT
   Switch on AUX mode of IC702 LC7818.
4. REQUEST IN
   Request signal from the tuner, CD and deck is input.

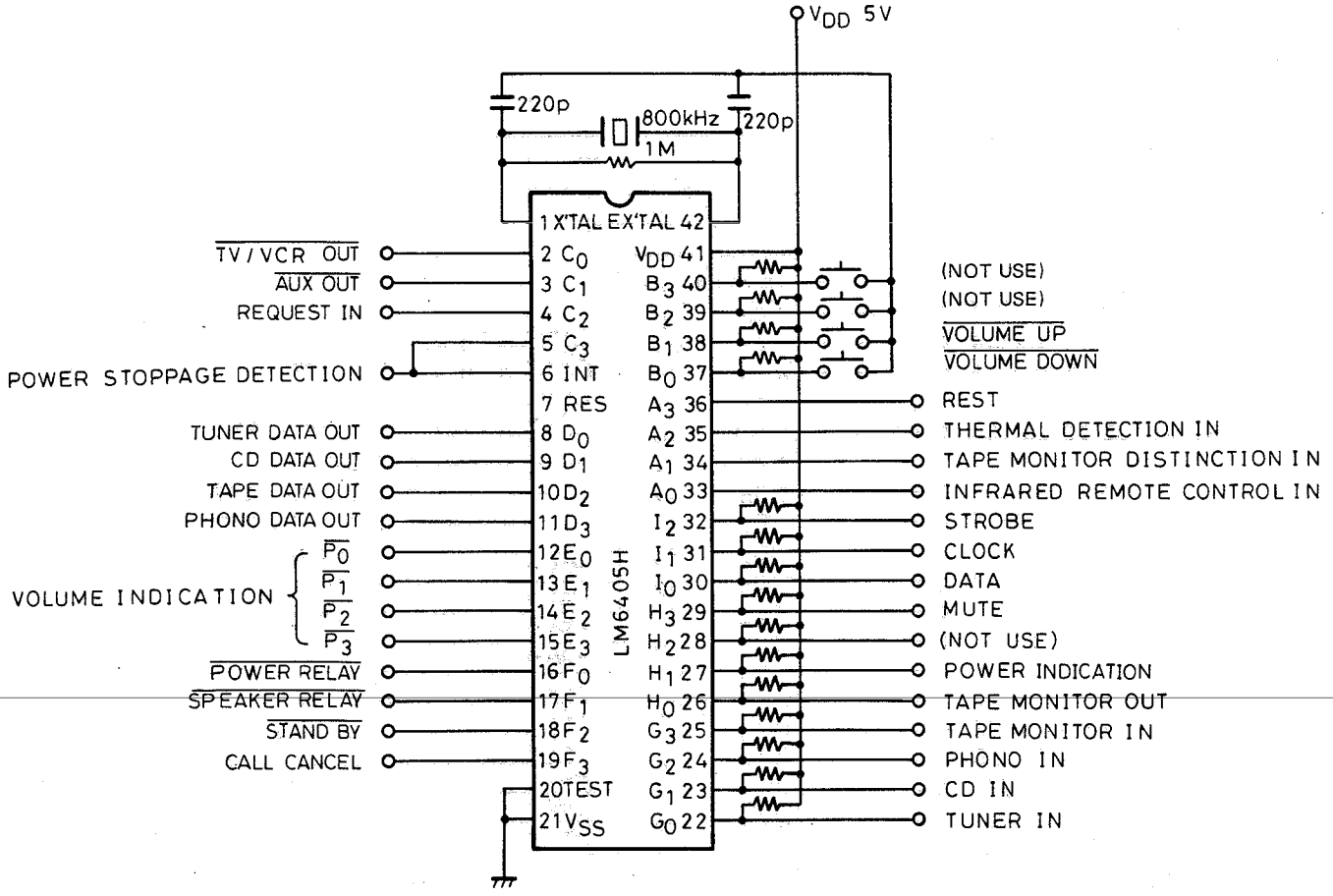
5–6. POWER STOPPAGE DETECTION
   Level becomes low when power is in off. When port changes from low level to high level, the microcomputor (IC602) start function.

7. RESET
   Not use.
8. TUNER DATA OUT
   Sends the serial data to the tuner (JT 760).
9. CD DATA OUT
   Sends the serial data to the CD player (CP 760).
10. TAPE DATA OUT
    Sends the serial data to cassette deck (RD W760).
11. PHONO DATA OUT
    Sends the start/stop pulse to the player (TP 760).

12–15. VOLUME INDICATION
   Indicates attenuation factor of IC704 TC9177P.

16. POWER RELAY
    Commands the power relay.
17. SPEAKER RELAY
    Commands the speaker relay.
18. STANDBY
    Indication of the STANDBY LED.
19. CALL CANCEL
    Cancels direct call signal returned from the player when the stop pulse is sent to the player.
20. TEST
    Not use

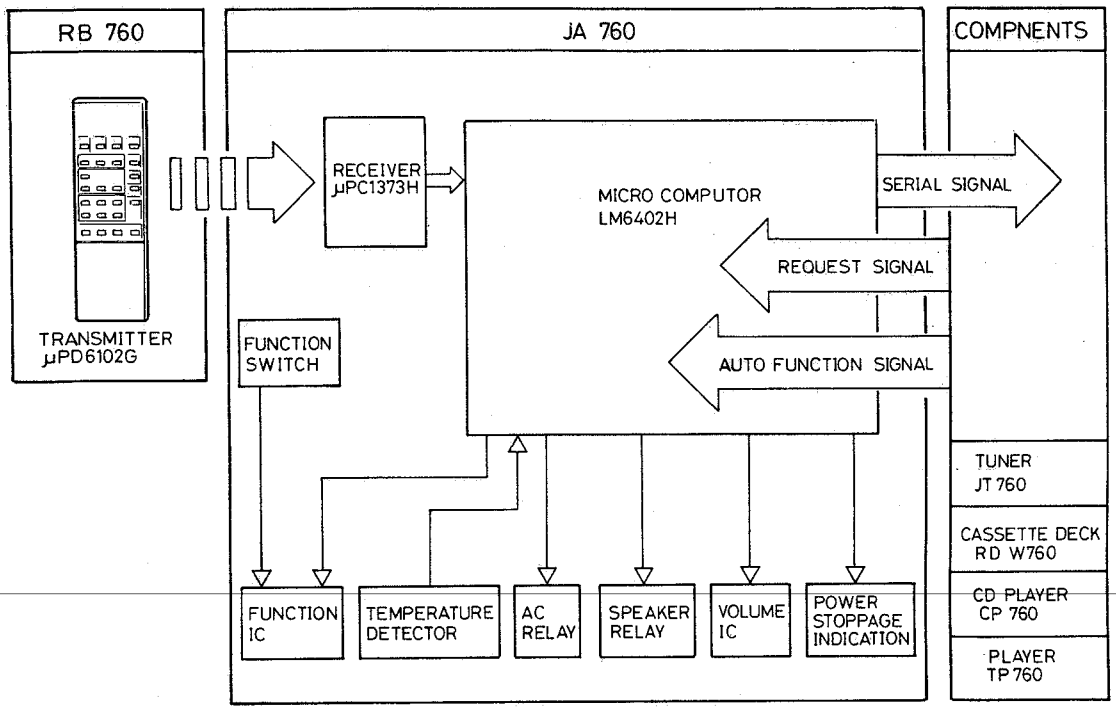
MICROCOMPUTOR & ITS FUNCTION



21. Vss
22. TUNER IN
    Direct call signal from the tuner is input.
23. CD IN
    Direct call signal from the CD player is input.
24. PHONO IN
    Direct call signal from the player is input.
25. TAPE MONITOR IN
    Direct call signal from the cassette deck is input.
26. TAPE MONITOR OUT
    Switch on/off the tape monitor of IC702 LC7818.
27. INDICATION
    Indicates receiving of infrared-ray from the remote controller.
28. Not use
29. MUTE
    Outputs a signal when attenuation of volume becomes ∞.
30. DATA
    Sends the serial data to IC704 TC9177P.
31. CLOCK
    Sends the clock to IC704 TC9177P.
32. STROBE
    Sends the strobe to IC704 TC9177P.
33. INFRARED REMOTE CONTROL IN
    Transmission signal from the remote controller is input
34. TAPE MONITOR DISTINCTION IN
    Distincts whether function IC (IC702) is in tape monitor mode or not.
35. THERMAL DETECTION IN
    Thermal detected signal is input.
36. REST
    Distincts whether the tone arm of the player is on its rest or not.
37. VOLUME DOWN
    Increases attenuation of IC704 TC9177P.
38. VOLUME UP
    Decreases attenuation of IC704 TC9177P.
39. Not use.
40. Not use.
41. Vdd
42. External X'tal

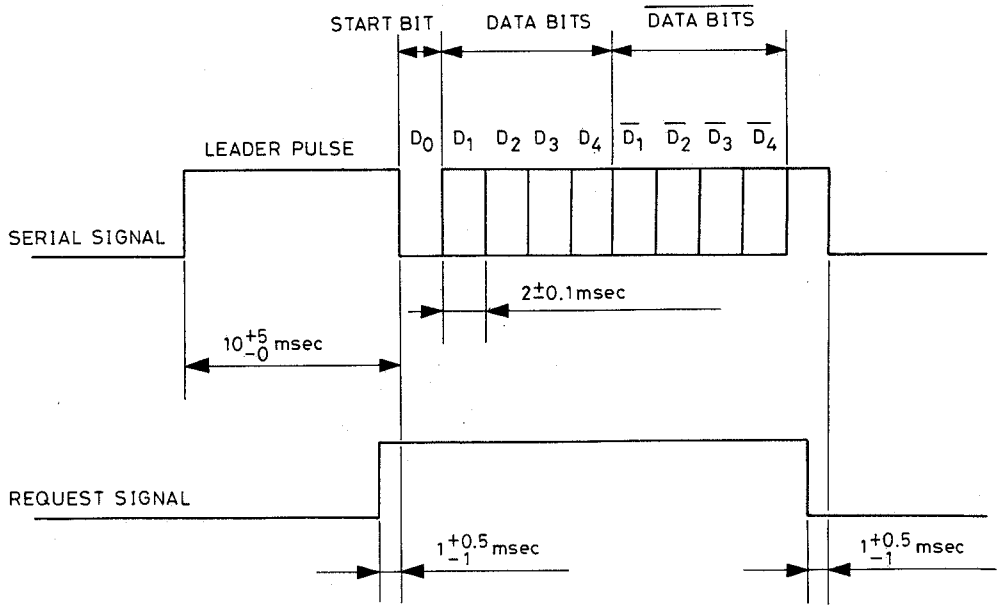
SYSTEM CONTROL BY MICROCOMPUTOR

As figure shown below, whole control including audio signal and AC power supply sections, is made by the microcomputor (IC602 LM6402H) in the power amplifier JA760 (which works as a system controller), and three digital signals: serial data, request and auto function, are used to control inter-components.



Serial Signal and Request Signal

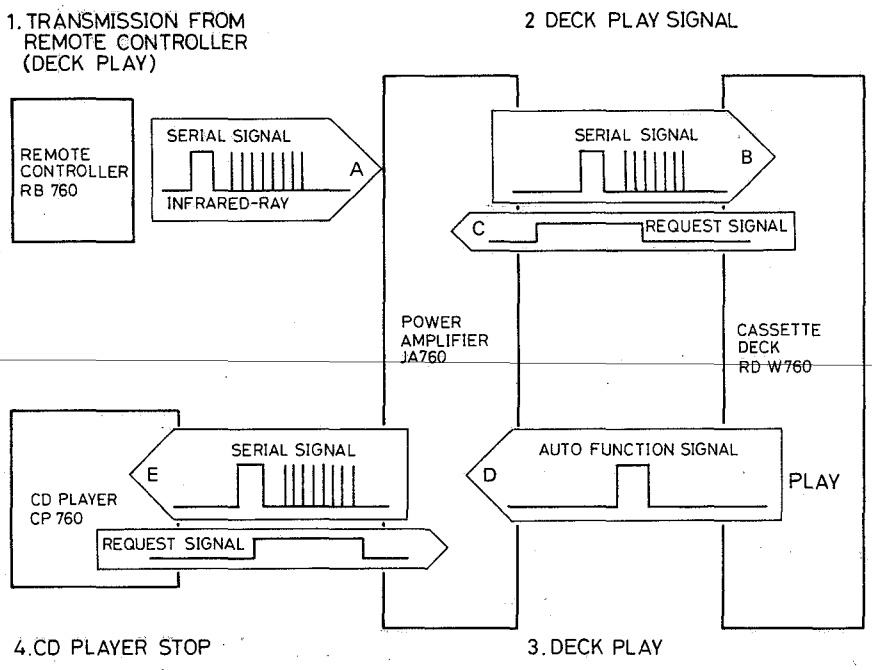
As figure shown below, the serial signal is composed of leader pulse, start bit and data bit (8 bits).
As the leader pulse has 10m sec +5m sec –0m sec time length, a microcomputor in the other component can output a request signal in a convenient time while leader pulse is receiving.
While the request signal is output, the microcomputor (IC 602) sends the rest of the serial data, which is composed of four bits data and four bits reverse data.



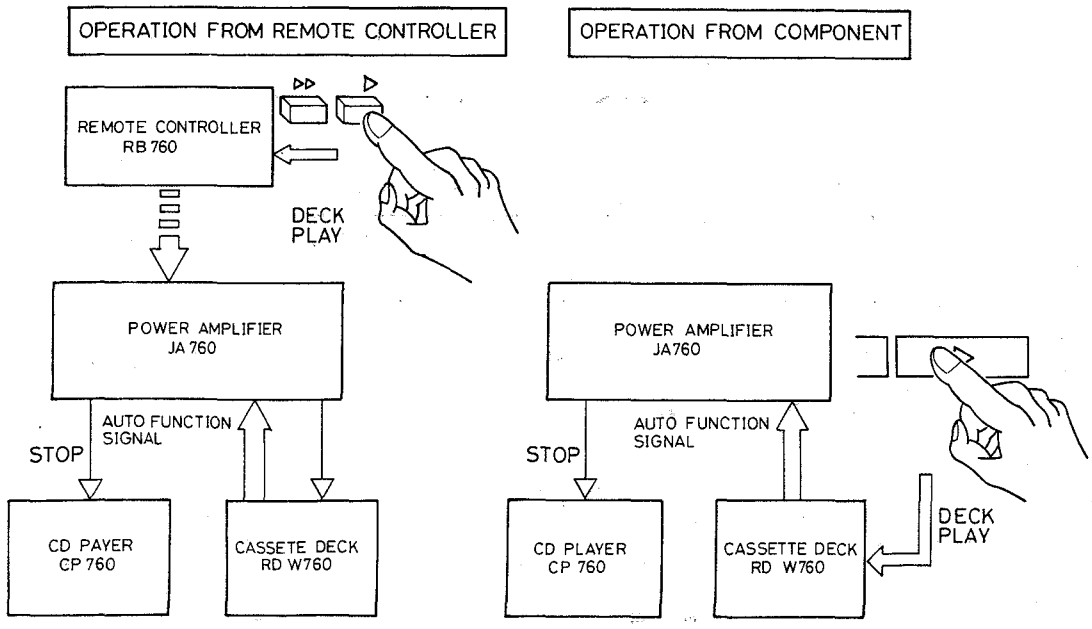
PRINCIPAL OPERATIONS

Cassette Deck → Play, CD player → Stop

1. If the TAPE button of the remote controller (RB 760) is pressed when the CD player (CP 760) is in play, a signal (A) is transmitted from the remote controller to the power amplifier (JA 760).
2. The microcomputor (IC 602) in the amplifier sends the serial signal (B) to the cassette deck (RD W760).
3. The cassette deck sends back a request signal (C) to the microcomputor soon after it recives the serial signal, and then the cassette deck will be in play condition.
4. When the cassette deck becomes in play, an auto function signal (D) is also sent to the microcomputor.
   The purpose of this signal is to change the function of the power amplifier to tape monitor mode and to send the serial signal (E) from the microcomputor to the CD player to stop CD operation.
   As described above, this signal enables mutual operation from each component and the remote controller.



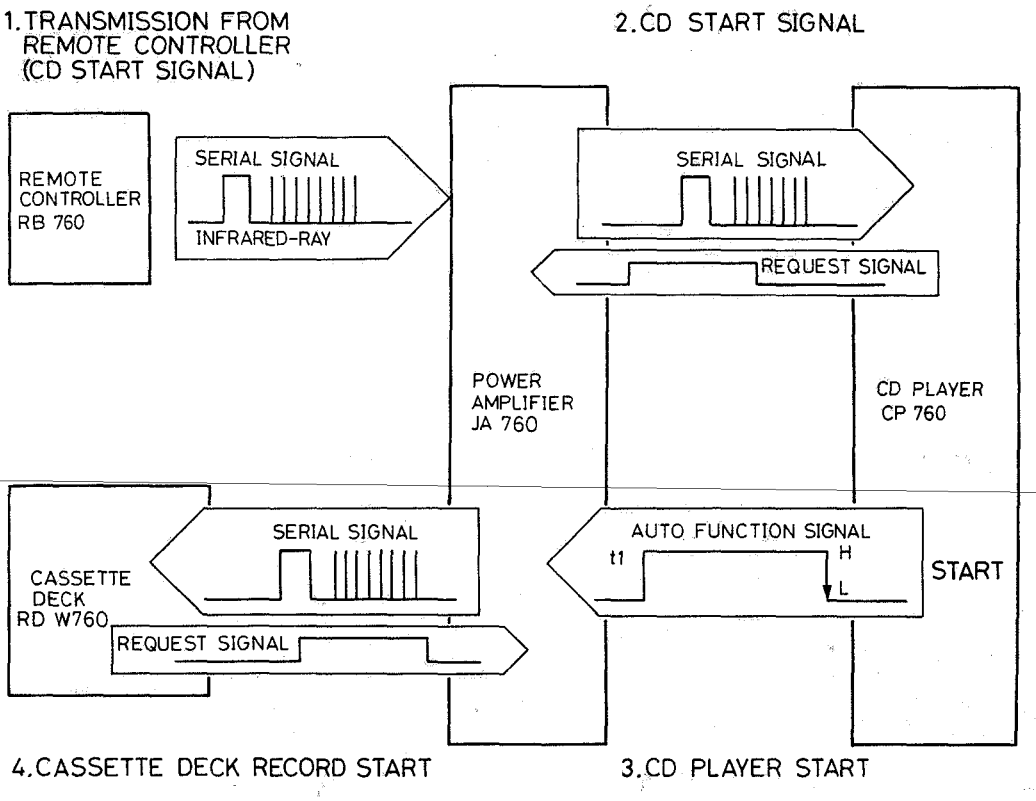
MUTUAL OPERATION



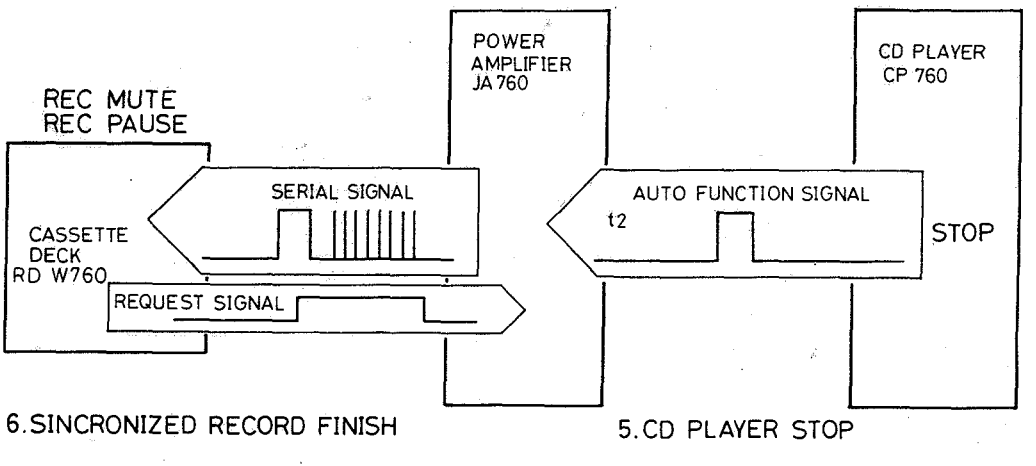
PRINCIPAL OPERATIONS

Sincronized Recording (CD Player → Play, Cassette Deck → Record)

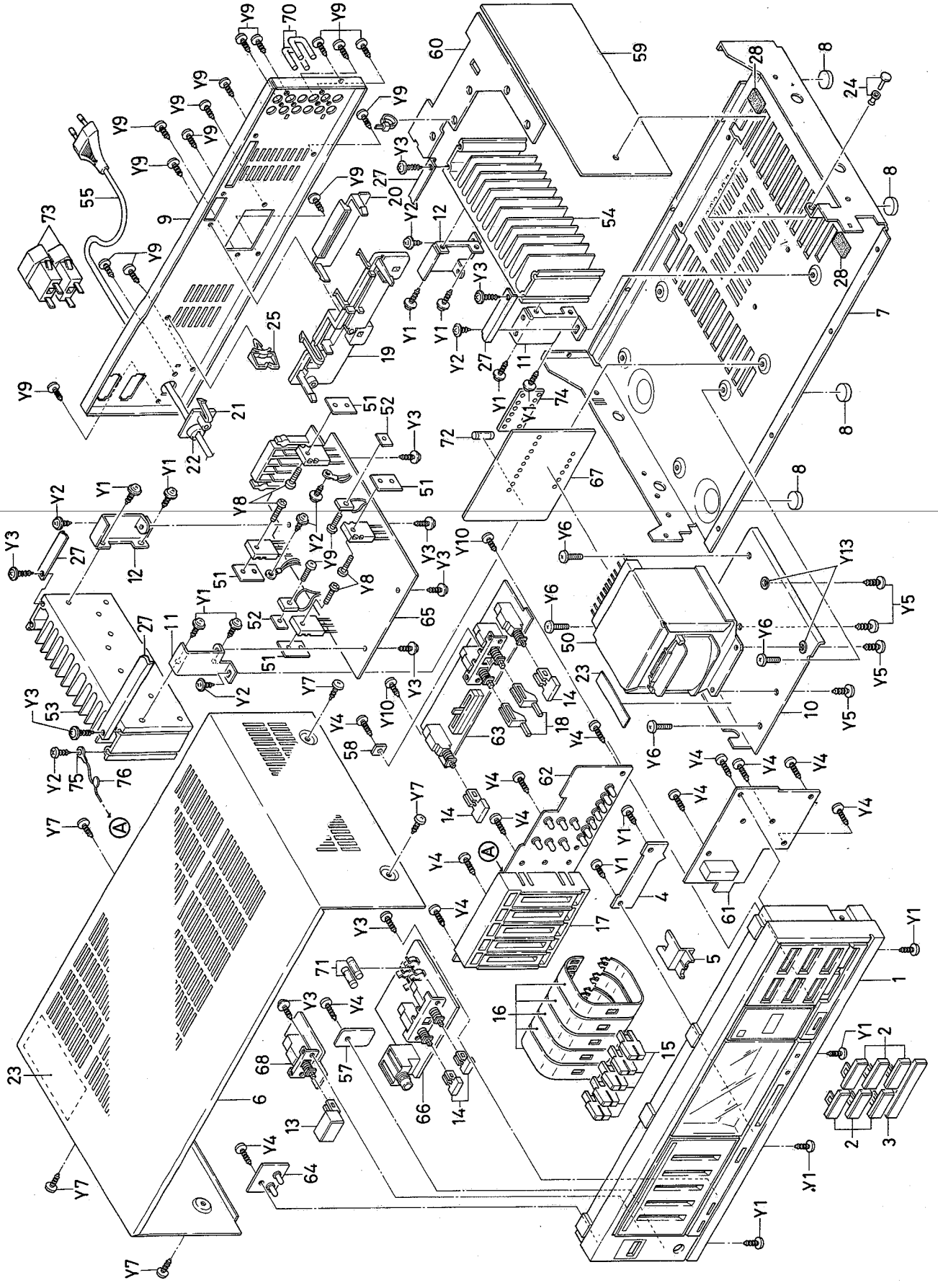
The CD player (CP 760) or player (TP 760) outputs a long pulse (t1): auto function signal, when the serial signal for start operation is received. This pulse (t1) becomes from high to low level just before playing a disk. The microcomputor (IC602) in the power amplifier detects this low level and then send a serial signal to the cassette deck (RD W760) to start sincronized recording.



When the disk playback is finished, a short pulse (t2): auto function signal, is sent from the CD player or player. The microcomputor (IC 602) in the power amplifier receives this auto function signal and then send the serial signal to the cassette deck to stop signcronized recording.



CABINET & CHASSIS EXPLODED VIEW



PARTS LIST

PRODUCT SAFETY NOTICE

Each precaution in this manual should be followed during servicing. Components identified with the IEC symbol ⚠ in the parts list and the schematic diagram designate components in which safety can be of special significance. When replacing a component identified with ⚠, use only the replacement parts designated, or parts with the same ratings of resistance, wattage or voltage that are designated in the parts list in this manual.
Leakage current or resistance measurements must be made to determine that exposed parts are acceptably insulated from the supply circuit before returning the product to the customer.

NOTE:

* Materials of Capacitors and Resistors are abbreviated as follows;

AL ELECT .....Aluminum Electrolytic
BC CON .....Semiconductor Ceramic
CHIP BC .....Chip Semiconductor Ceramic
CHIP TAN .....Chip Tantal
ELECT .....Electrolytic
PP CON .....Polypropylene
MT GLAZE .....Metal Glaze
FP CARBON .....Flameproof Carbon

* Tolerance of Capacitors and Resistors are noted with follow symboles;

J .....±5%
K .....±10%
M .....±20%
N .....±30%
P .....+100−0%
Q .....+30−10%
Z .....+80−20%

PACKING & ACCESSORIES

Ref. No.	Part No.	Description
	141-6-145T-15100	FORM PLASTIC CASE, RIGHT
	141-6-145T-15101	FOAM PLASTIC CASE, LEFT
	141-6-235T-45605	INNER POLYE LAMINA COVER
	141-6-235T-45601	INNER POLYE LAMINA COVER
	141-6-409T-24702	INST MANUAL
	141-6-415T-32300	NOTICE
	141-6-133T-77401	INNER CORR CASE
	RB760(BK)/U++	REMOTE CONTROLLER RB760 BLACK
	141-6-231T-13400	INNER POLYE COVER

CABINET & CHASSIS

Ref. No.	Part No.	Description
1	141-0-122T-61402	FRONT PANEL ASSY
2	141-2-156T-38100	CUP KNOB, FUNCTION
3	141-2-156T-38201	CUP KNOB, VOLUME
4	141-2-210T-73100	BRACKET, BALANCE
5	141-2-164T-41800	SLIDE KNOB, BALANCE
6	141-2-111T-68001	CABINET
7	141-2-125T-40000	BOTTOM LID
8	141-2-174T-13100	STAND
9	141-2-119T-04202	BACK PANEL
10	141-2-315T-30901	REINFORCEMENT, POWER TRANSFORMER
11	141-2-310T-68404	BRACKET, HEAT SINK
12	141-2-310T-68504	BRACKET, HEAT SINK
13	141-2-160T-38902	PUSH BUTTON, POWER
14	141-2-160T-64100	PUSH BUTTON, SPER/EQ/MUTE
15	141-2-164T-41700	SLIDE KNOB, EQUALIZER
16	141-2-241T-28800	VEIL, EQUALIZER
17	141-2-210T-73000	BRACKET, EQUALIZER
18	141-2-160T-64000	PUSH BUTTON, MODE/LOUDNESS
19	141-2-210T-73200	BRACKET, DECK/TUNER SOCKET, LARGE
20	141-2-210T-73300	BRACKET, DECK/TUNER SOCKET, SMALL
21	141-2-210T-58100	BRACKET, AC POWER CORD
22	141-2-464T-12500	FIXER, AC POWER CORD
23	141-6-479T-81300	LABEL
24	141-2-464T-40500	FIXER, PHONO/MICOM PCB
25	141-2-464T-30300	FIXER
27	141-2-315T-23400	REINFORCEMENT
28	141-2-447T-34101	CUSHION 6X10X3
Y1	BJB2S++3+8+Z1	BIND HD 2 TAPPING SCREW 3X8
Y2	BJX6S++3+6+Z1	PAN WASHER HD 2 TAPPING SCREW 3X6
Y3	BJX6S++3+8+Z1	PAN WASHER HD 2 TAPPING SCREW 3X8
Y4	BJB2S++310+Z1	BIND HD 2 TAPPING SCREW 3X10
Y5	BJB2S++4+8+Z1	BIND HD 2 TAPPING SCREW 4X8
Y6	BJESS++4+8+Z1	BIND HD S TITE SCREW 4X8
Y7	BJB2S++3+8+ZK	BIND HD 2 TAPPING SCREW 3X8
Y8	BJBYS++312+Z1	BIND HD SCREW 3X12
Y9	141-2-421T-43931	SPECIAL SCREW
Y10	141-2-421T-24700	BIND HD 2 TAPPING SCREW 3X8
Y13	141-2-453T-07501	WASHER

ELECTRICAL PARTS

Ref. No.	Part No.	Description
50	⚠ 4-320T-01471	POWER TRANSFORMER
51	141-2-327T-26173	INSURATOR, TRANSISTOR
52	141-2-327T-26100	INSULATOR, TRANSISTOR, SMALL
53	141-2-368T-21213	HEAT SINK, LEFT-CH
54	141-2-368T-21214	HEAT SINK, RIGHT-CH
55	⚠ 4-243T-84973	AC POWER CORD
57	4-285T-22171	P.C BOARD, HEADPHONE SOCKET FIXING
58	4-285T-22471	P.C BOARD, SPEAKER SWITCH FIXING
70	4-236T-32100	PLUG
71	⚠ 4-234T-10591	FUSE, T4A 250V (F701/801)
72	⚠ 4-234T-10292	FUSE, T2.5A 250V (F901)
73	⚠ 4-267T-15200	SOCKET, AC OUTLET
74	4-285T-22271	P.C.BOARD
75	141-2-472T-00401	LUG
76	CC+50103ZD++S	CERAMIC 0.01MF 50V Z (C508)
	4-240T-47673	SOCKET, 3P
	4-240T-83572	SOCKET, 2P
	4-240T-83573	SOCKET, 3P
	4-240T-83574	SOCKET, 4P
	4-240T-83575	SOCKET, 5P
	4-240T-83576	SOCKET, 6P
	4-240T-83577	SOCKET, 7P

PARTS LIST

Ref. No.	Part No.	Description
	4-240T-83578	SOCKET, 8P

PHONO/MICOM PCB ASSY

Ref. No.	Part No.	Description
59	141-4-285T-21071	P.C BOARD ASSY, PHONO/MICOM
	4-240T-50500	SOCKET, RCA 6P, AUX/TV/CD
	4-240T-50572	SOCKET, PHONO IN/OUT
X601	4-266T-01700	SERAMIC RESONATOR
IC601	SILM6402H1848	IC LM6402H1848 DIP42S
IC701	SILA6458DS+++	IC LA6458DS DIP08
or	SIM5218PR++++	IC M5218P R DIP08
IC702	SILC7818+++++	IC LC7818 DIP30
Q601	STC1740S+++++	TR 2SC1740 S
or	STC536+G+++UB	TR 2SC536 G AUD B SP
Q602	STC1740S+++++	TR 2SC1740 S
or	STC536+G+++UB	TR 2SC536 G AUD B SP
Q603	STC1740S+++++	TR 2SC1740 S
or	STC536+G+++UB	TR 2SC536 G AUD B SP
Q604	STC1740S+++++	TR 2SC1740 S
or	STC536+G+++UB	TR 2SC536 G AUD B SP
Q605	STC1740S+++++	TR 2SC1740 S
or	STC536+G+++UB	TR 2SC536 G AUD B SP
Q606	STC1740S+++++	TR 2SC1740 S
or	STC536+G+++UB	TR 2SC536 G AUD B SP
Q607	STC1740S+++++	TR 2SC1740 S
or	STC536+G+++UB	TR 2SC536 G AUD B SP
Q608	STC1740S+++++	TR 2SC1740 S
or	STC536+G+++UB	TR 2SC536 G AUD B SP
Q650	STC536+H+++UB	TR 2SC536 H AUD B SP
Q651	STC536+H+++UB	TR 2SC536 H AUD B SP
Q652	STC536+H+++UB	TR 2SC536 H AUD B SP
Q930	STC2655Y+++++	TR 2SC2655 Y
D601	SDDS442+X+++T	DIODE DS442 X
D602	SDGMA01+++++T	DIODE GMA01
D603	SDDS442+X+++T	DIODE DS442 X
D604	SDGMA01+++++T	DIODE GMA01
D607	SDGMA01+++++T	DIODE GMA01
D608	SDGMA01+++++T	DIODE GMA01
D609	SDDS442+X+++T	DIODE DS442 X
D610	SDGMA01+++++T	DIODE GMA01
D611	SDGMA01+++++T	DIODE GMA01
D612	SDGMA01+++++T	DIODE GMA01
D615	SDDS442+X+++T	DIODE DS442 X
D650	SDDS442+X+++T	DIODE DS442 X
D930	SDGZA091Y++++	ZENER DIODE GZA9.1Y
D931	SDDSF10+C+++T	DIODE DSF10 C T
D932	SDGZA056Y++++	ZENER DIODE GZA5.6Y
D940	SDGMA01+++++T	DIODE GMA01
D941	SDGMA01+++++T	DIODE GMA01
D942	SDGMA01+++++T	DIODE GMA01
C1	CC+50103ZRZFF	CERAMIC 0.01MF 50V Z R ZF
C2	CC+50103ZRZFF	CERAMIC 0.01MF 50V Z R ZF
C3	CC+50103ZRZFF	CERAMIC 0.01MF 50V Z R ZF
C4	CC+50103ZRZFF	CERAMIC 0.01MF 50V Z R ZF
C5	CC+50103ZRZFF	CERAMIC 0.01MF 50V Z R ZF
C6	CC+50103ZRZFF	CERAMIC 0.01MF 50V Z R ZF
C10	CC+50101KRSLF	CERAMIC 100PF 50V K R SL
C11	CC+50101KRSLF	CERAMIC 100PF 50V K R SL
C12	CC+50101KRSLF	CERAMIC 100PF 50V K R SL
C13	CC+50101KRSLF	CERAMIC 100PF 50V K R SL
C14	CC+50101KRSLF	CERAMIC 100PF 50V K R SL
C15	CC+50101KRSLF	CERAMIC 100PF 50V K R SL
C16	CC+50101KRSLF	CERAMIC 100PF 50V K R SL
C17	CC+50101KRSLF	CERAMIC 100PF 50V K R SL
C18	CC+50101KRSLF	CERAMIC 100PF 50V K R SL
C19	CC+50101KRSLF	CERAMIC 100PF 50V K R SL
C601	CE+25475MR++F	ELECT 4.7MF 25V M R
C602	CW+50105MVNPS	NONPOLAR 1MF 50V M V NP
C603	CE+16106MR++F	ELECT 10MF 16V M R
C604	CC+50221JRSLF	CERAMIC 220PF 50V J R SL
C605	CC+50221JRSLF	CERAMIC 220PF 50V J R SL
C606	CE+25475MR++F	ELECT 4.7MF 25V M R
C607	CE+25475MR++F	ELECT 4.7MF 25V M R
C608	CC+50102KRYBF	CERAMIC 0.001MF 50V K R YB
C609	CC+50102KRYBF	CERAMIC 0.001MF 50V K R YB
C610	CE+50225MR++F	ELECT 2.2MF 50V M R
C650	CB+25333KRXRF	BC CON 0.033MF 25V K R XR
C651	CE+25475MR++F	ELECT 4.7MF 25V M R
C701	CE+25475RVLRS	ELECT 4.7MF 25V R V LR
C702	CC+50101KRSLF	CERAMIC 100PF 50V K R SL
C703	CC+50821KRYBF	CERAMIC 820PF 50V K R YB
C704	CE+10336MR++F	ELECT 33MF 10V M R
C705	CB+25472KRXRF	BC CON 0.0047MF 25V K R XR
C706	CB+25183KRXRF	BC CON 0.018MF 25V K R XR
C707	CM+50392MR++F	MYLAR 0.0039MF 50V M R
C708	CW+50105RVLRS	NONPOLAR 1MF 50V R V LR
C801	CE+25475RVLRS	ELECT 4.7MF 25V R V LR
C802	CC+50101KRSLF	CERAMIC 100PF 50V K R SL
C803	CC+50821KRYBF	CERAMIC 820PF 50V K R YB
C804	CE+10336MR++F	ELECT 33MF 10V M R
C805	CB+25472KRXRF	BC CON 0.0047MF 25V K R XR
C806	CB+25183KRXRF	BC CON 0.018MF 25V K R XR
C807	CM+50392MR++F	MYLAR 0.0039MF 50V M R
C808	CW+50105RVLRS	NONPOLAR 1MF 50V R V LR
C930	CE+16108MY++S	ELECT 1000MF 16V M Y
C931	CE6R3107MR++F	ELECT 100MF 6.3V M R
C940	CE+16476MY++S	ELECT 47MF 16V M Y
C941	CE+16476MR++F	ELECT 47MF 16V M R
C942	CE+25475MR++F	ELECT 4.7MF 25V M R
C943	CC+50103ZRZFF	CERAMIC 0.01MF 50V Z R ZF
C944	CC+50103ZRZFF	CERAMIC 0.01MF 50V Z R ZF
R601	RC/+4103JT++R	CARBON T 10K OHM J1/4WR25
R602	RC/+6272JT+++	CARBON T 2.7K OHM J 1/6W
R603	RC/+6272JT+++	CARBON T 2.7K OHM J 1/6W
R604	RC/+6273JT+++	CARBON T 27K OHM J 1/6W
R605	RC/+6473JT+++	CARBON T 47K OHM J 1/6W
R606	RC/+6473JT+++	CARBON T 47K OHM J 1/6W
R607	RC/+6103JT+++	CARBON T 10K OHM J 1/6W
R608	RC/+6471JT+++	CARBON T 470 OHM J 1/6W
R609	RC/+4123JT++R	CARBON T 12K OHM J1/4WR25
R610	RC/+6682JT+++	CARBON T 6.8K OHM J 1/6W
R611	RC/+6153JT+++	CARBON T 15K OHM J 1/6W
R612	RC/+6103JT+++	CARBON T 10K OHM J 1/6W
R613	RC/+6473JT+++	CARBON T 47K OHM J 1/6W
R614	RC/+6473JT+++	CARBON T 47K OHM J 1/6W
R615	RC/+6473JT+++	CARBON T 47K OHM J 1/6W
R616	RC/+6473JT+++	CARBON T 47K OHM J 1/6W
R617	RC/+6333JT+++	CARBON T 33K OHM J 1/6W
R618	RC/+6333JT+++	CARBON T 33K OHM J 1/6W
R619	RC/+6103JT+++	CARBON T 10K OHM J 1/6W
R620	RC/+6472JT+++	CARBON T 4.7K OHM J 1/6W
R621	RC/+6472JT+++	CARBON T 4.7K OHM J 1/6W
R622	RC/+4103JT++R	CARBON T 10K OHM J1/4WR25
R623	RC/+4103JT++R	CARBON T 10K OHM J1/4WR25
R624	RC/+4103JT++R	CARBON T 10K OHM J1/4WR25
R625	RC/+4103JT++R	CARBON T 10K OHM J1/4WR25
R627	RC/+4104JT++R	CARBON T 100KOHM J1/4WR25
R628	RC/+6123JT+++	CARBON T 12K OHM J 1/6W
R629	RC/+6105JT+++	CARBON T 1M OHM J 1/6W
R630	RC/+6103JT+++	CARBON T 10K OHM J 1/6W
R631	RC/+6104JT+++	CARBON T 100K OHM J 1/6W
R632	RC/+4103JT++R	CARBON T 10K OHM J1/4WR25
R633	RC/+4103JT++R	CARBON T 10K OHM J1/4WR25
R634	RC/+6103JT+++	CARBON T 10K OHM J 1/6W
R635	RC/+6103JT+++	CARBON T 10K OHM J 1/6W
R636	RC/+6103JT+++	CARBON T 10K OHM J 1/6W
R638	RC/+4104JT++R	CARBON T 100KOHM J1/4WR25
R639	RC/+4103JT++R	CARBON T 10K OHM J1/4WR25
R640	RC/+4101JT++R	CARBON T 100 OHM J1/4WR25
R641	RC/+6105JT+++	CARBON T 1M OHM J 1/6W
R650	RC/+6824JT+++	CARBON T 820K OHM J 1/6W
R651	RC/+6103JT+++	CARBON T 10K OHM J 1/6W
R652	RC/+6272JT+++	CARBON T 2.7K OHM J 1/6W
R653	RC/+6104JT+++	CARBON T 100K OHM J 1/6W

Ref. No.	Part No.	Description
R654	RC/+4104JT++R	CARBON T 100KOHM J1/4WR25
R655	RC/+6104JT+++	CARBON T 100K OHM J 1/6W
R656	RC/+6104JT+++	CARBON T 100K OHM J 1/6W
R657	RC/+6104JT+++	CARBON T 100K OHM J 1/6W
R658	RC/+4104JT++R	CARBON T 100KOHM J1/4WR25
R659	RC/+6104JT+++	CARBON T 100K OHM J 1/6W
R701	RC/+6102JT+++	CARBON T 1K OHM J 1/6W
R702	RC/+6473JT+++	CARBON T 47K OHM J 1/6W
R703	RC/+6153JT+++	CARBON T 15K OHM J 1/6W
R704	RC/+6331JT+++	CARBON T 330 OHM J 1/6W
R705	RC/+6274JT+++	CARBON T 270K OHM J 1/6W
R706	RC/+6561JT+++	CARBON T 560 OHM J 1/6W
R707	RC/+6104JT+++	CARBON T 100K OHM J 1/6W
R711	RC/+6102JT+++	CARBON T 1K OHM J 1/6W
R712	RC/+6102JT+++	CARBON T 1K OHM J 1/6W
R713	RC/+6102JT+++	CARBON T 1K OHM J 1/6W
R714	RC/+6102JT+++	CARBON T 1K OHM J 1/6W
R715	RC/+6102JT+++	CARBON T 1K OHM J 1/6W
R716	RC/+6224JT+++	CARBON T 220K OHM J 1/6W
R717	RC/+6224JT+++	CARBON T 220K OHM J 1/6W
R718	RC/+6224JT+++	CARBON T 220K OHM J 1/6W
R719	RC/+6224JT+++	CARBON T 220K OHM J 1/6W
R801	RC/+6102JT+++	CARBON T 1K OHM J 1/6W
R802	RC/+6473JT+++	CARBON T 47K OHM J 1/6W
R803	RC/+6153JT+++	CARBON T 15K OHM J 1/6W
R804	RC/+6331JT+++	CARBON T 330 OHM J 1/6W
R805	RC/+6274JT+++	CARBON T 270K OHM J 1/6W
R806	RC/+6561JT+++	CARBON T 560 OHM J 1/6W
R807	RC/+6104JT+++	CARBON T 100K OHM J 1/6W
R811	RC/+6102JT+++	CARBON T 1K OHM J 1/6W
R812	RC/+6102JT+++	CARBON T 1K OHM J 1/6W
R813	RC/+6102JT+++	CARBON T 1K OHM J 1/6W
R814	RC/+6102JT+++	CARBON T 1K OHM J 1/6W
R815	RC/+6102JT+++	CARBON T 1K OHM J 1/6W
R816	RC/+6224JT+++	CARBON T 220K OHM J 1/6W
R817	RC/+6224JT+++	CARBON T 220K OHM J 1/6W
R818	RC/+6224JT+++	CARBON T 220K OHM J 1/6W
R819	RC/+6224JT+++	CARBON T 220K OHM J 1/6W
R930	RC/+4101JT++R	CARBON T 100 OHM J1/4WR25
R931	RC/+4102JT++R	CARBON T 1K OHM J1/4WR25
R932	RC/+4681JT++R	CARBON T 680 OHM J1/4WR25
R940	RC/+6103JT+++	CARBON T 10K OHM J 1/6W
R941	RC/+6103JT+++	CARBON T 10K OHM J 1/6W
R942	RC/+6103JT+++	CARBON T 10K OHM J 1/6W

CONNECTOR PCB ASSY

Ref. No.	Part No.	Description
60	141-4-285T-21171	P.C BOARD ASSY, CONNECTOR
	4-267T-10900	SOCKET, TO DECK
	4-267T-11000	SOCKET, TO TUNER
	4-236T-17900	PLUG, CD
	4-236T-17973	PLUG, PHONO
D670	SDDS442+X+++T	DIODE DS442 X
D671	SDDS442+X+++T	DIODE DS442 X
D672	SDDS442+X+++T	DIODE DS442 X
C20	CC+50101KRSLF	CERAMIC 100PF 50V K R SL
C21	CC+50101KRSLF	CERAMIC 100PF 50V K R SL
C22	CC+50101KRSLF	CERAMIC 100PF 50V K R SL
C23	CC+50101KRSLF	CERAMIC 100PF 50V K R SL
C500	CC+50103ZD++S	CERAMIC 0.01MF 50V Z
R670	RC/+6562JT+++	CARBON T 5.6K OHM J 1/6W
R672	RC/+4102JT++R	CARBON T 1K OHM J1/4WR25
R673	RC/+4562JT++R	CARBON T 5.6KOHM J1/4WR25
R674	RC/+4102JT++R	CARBON T 1K OHM J1/4WR25
R675	RC/+4562JT++R	CARBON T 5.6KOHM J1/4WR25
R676	RC/+4102JT++R	CARBON T 1K OHM J1/4WR25
R677	RC/+4562JT++R	CARBON T 5.6KOHM J1/4WR25
R678	RC/+4562JT++R	CARBON T 5.6KOHM J1/4WR25
R679	RC/+4562JT++R	CARBON T 5.6KOHM J1/4WR25
R680	RC/+4102JT++R	CARBON T 1K OHM J1/4WR25

Ref. No.	Part No.	Description
R720	RC/+6102JT+++	CARBON T 1K OHM J 1/6W
R721	RC/+6102JT+++	CARBON T 1K OHM J 1/6W
R722	RC/+6102JT+++	CARBON T 1K OHM J 1/6W
R723	RC/+6224JT+++	CARBON T 220K OHM J 1/6W
R724	RC/+6224JT+++	CARBON T 220K OHM J 1/6W
R820	RC/+6102JT+++	CARBON T 1K OHM J 1/6W
R821	RC/+6102JT+++	CARBON T 1K OHM J 1/6W
R822	RC/+6102JT+++	CARBON T 1K OHM J 1/6W
R823	RC/+6224JT+++	CARBON T 220K OHM J 1/6W
R824	RC/+6224JT+++	CARBON T 220K OHM J 1/6W

FUNCTION SWITCH PCB ASSY

Ref. No.	Part No.	Description
61	141-4-285T-21271	P.C BOARD ASSY, FUNCTION SWITCH
	4-240T-18506	SOCKET, 6P
	4-248T-06500	SPECIAL SWITCH
S685	4-238T-70873	SWITCH, VOLUME UP
S686	4-238T-70873	SWITCH, VOLUME DOWN
S687	4-238T-70873	SWITCH, TUNER
S688	4-238T-70873	SWITCH, CD
S689	4-238T-70873	SWITCH, TV/VCR
S690	4-238T-70873	SWITCH, AUX
S691	4-238T-70873	SWITCH, PHONO
S692	4-238T-70873	SWITCH, TAPE
Q685	STA608+G++++T	TR 2SA608 G
D685	SLSLP138CB50R	LED SLP138C-50 B RE
C685	4-223T-16500	CAPACITOR
R685	RC/+4103JT++R	CARBON T 10K OHM J1/4WR25
R686	RC/+4473JT++R	CARBON T 47K OHM J1/4WR25
R687	RC/+4102JT++R	CARBON T 1K OHM J1/4WR25

GRAPHIC EQUALIZER PCB ASSY

Ref. No.	Part No.	Description
62	141-4-285T-21371	P.C BOARD ASSY, GRAPHIC EQUALIZER
	4-236T-33200	PLUG, 6P
VR701,801	4-220T-20300	VARIABLE RESISTOR, 250KW, 6.3HZ
VR702,802	4-220T-20300	VARIABLE RESISTOR, 250KW, 250HZ
VR703,803	4-220T-20300	VARIABLE RESISTOR, 250KW, 1KHZ
VR704,804	4-220T-20300	VARIABLE RESISTOR, 250KW, 4KHZ
VR705,805	4-220T-20300	VARIABLE RESISTOR, 250KW, 16KHZ
IC703	SILA6458S++++	IC LA6458S SIP9
Q701	STC1740S+++N+	TR 2SC1740 S NF
or	STC536+G+++UB	TR 2SC536 G AUD B SP
Q702	STC1740S+++N+	TR 2SC1740 S NF
or	STC536+G+++UB	TR 2SC536 G AUD B SP
Q703	STC1740S+++N+	TR 2SC1740 S NF
or	STC536+G+++UB	TR 2SC536 G AUD B SP
Q704	STC1740S+++N+	TR 2SC1740 S NF
or	STC536+G+++UB	TR 2SC536 G AUD B SP
Q705	STC1740S+++N+	TR 2SC1740 S NF
or	STC536+G+++UB	TR 2SC536 G AUD B SP
Q801	STC1740S+++N+	TR 2SC1740 S NF
or	STC536+G+++UB	TR 2SC536 G AUD B SP
Q802	STC1740S+++N+	TR 2SC1740 S NF
or	STC536+G+++UB	TR 2SC536 G AUD B SP
Q803	STC1740S+++N+	TR 2SC1740 S NF
or	STC536+G+++UB	TR 2SC536 G AUD B SP
Q804	STC1740S+++N+	TR 2SC1740 S NF
or	STC536+G+++UB	TR 2SC536 G AUD B SP
Q805	STC1740S+++N+	TR 2SC1740 S NF
or	STC536+G+++UB	TR 2SC536 G AUD B SP

Ref. No.	Part No.	Description
Q960	STC1740S+++N+	TR 2SC1740 S NF
or	STC536+G+++UB	TR 2SC536 G AUD B SP
D960	SLSLP138CB50R	LED SLP138C-50 B RE
D961	SLSLP238FB5PG	LED SLP238F-51P B GR
D962	SLSLP238FB5PG	LED SLP238F-51P B GR
D963	SLSLP238FB5PG	LED SLP238F-51P B GR
D964	SLSLP238FB5PG	LED SLP238F-51P B GR
D965	SLSLP238FB5PG	LED SLP238F-51P B GR
D966	SLSLP138CB50R	LED SLP138C-50 B RE
D967	SLSLP138CB50R	LED SLP138C-50 B RE
D969	SLSLP138CB50R	LED SLP138C-50 B RE
D970	SLSLP138CB50R	LED SLP138C-50 B RE
D971	SLSLP138CB50R	LED SLP138C-50 B RE
D972	SLSLP138CB50R	LED SLP138C-50 B RE
D973	SLSLP138CB50R	LED SLP138C-50 B RE
D974	SDDS442+X+++T	DIODE DS442 X
D975	SDDS442+X+++T	DIODE DS442 X
D976	SDDS442+X+++T	DIODE DS442 X
D977	SDDS442+X+++T	DIODE DS442 X
D978	SDDS442+X+++T	DIODE DS442 X
C711	CE+25475MVAKS	ELECT 4.7MF 25V M V AK
C712	CC+50101KRSLF	CERAMIC 100PF 50V K R SL
C713	CC+50101KRSLF	CERAMIC 100PF 50V K R SL
C714	CE+25475MVAKS	ELECT 4.7MF 25V M V AK
C715	CE+25475MVAKS	ELECT 4.7MF 25V M V AK
C716	CE+50225MR++F	ELECT 2.2MF 50V M R
C717	CF+50474JR++F	METAL POLY 0.47MF 50V J R
C718	CF+50124JR++F	METAL POLY 0.12MF 50V J R
C719	CB+25333KRXRF	BC CON 0.033MF 25V K R XR
C720	CB+25822KRXRF	BC CON 0.0082MF 25V K R XR
C721	CF+50104JR++F	METAL POLY 0.1MF 50V J R
C722	CB+25223KRXRF	BC CON 0.022MF 25V K R XR
C723	CB+25682KRXRF	BC CON 0.0068MF 25V K R XR
C724	CB+25152KRXRF	BC CON 0.0015MF 25V K R XR
C725	CC+50331KRYBF	CERAMIC 330PF 50V K R YB
C811	CE+25475MVAKS	ELECT 4.7MF 25V M V AK
C812	CC+50101KRSLF	CERAMIC 100PF 50V K R SL
C813	CC+50101KRSLF	CERAMIC 100PF 50V K R SL
C814	CE+25475MVAKS	ELECT 4.7MF 25V M V AK
C815	CE+25475MVAKS	ELECT 4.7MF 25V M V AK
C816	CE+50225MR++F	ELECT 2.2MF 50V M R
C817	CF+50474JR++F	METAL POLY 0.47MF 50V J R
C818	CF+50124JR++F	METAL POLY 0.12MF 50V J R
C819	CB+25333KRXRF	BC CON 0.033MF 25V K R XR
C820	CB+25822KRXRF	BC CON 0.0082MF 25V K R XR
C821	CF+50104JR++F	METAL POLY 0.1MF 50V J R
C822	CB+25223KRXRF	BC CON 0.022MF 25V K R XR
C823	CB+25682KRXRF	BC CON 0.0068MF 25V K R XR
C824	CB+25152KRXRF	BC CON 0.0015MF 25V K R XR
C825	CC+50331KRYBF	CERAMIC 330PF 50V K R YB
R726	RC/+4222JT++R	CARBON T 2.2KOHM J1/4WR25
R727	RC/+6104JT+++	CARBON T 100K OHM J 1/6W
R728	RC/+6473JT+++	CARBON T 47K OHM J 1/6W
R729	RC/+6272JT+++	CARBON T 2.7K OHM J 1/6W
R730	RC/+6392JT+++	CARBON T 3.9K OHM J 1/6W
R731	RC/+6151JT+++	CARBON T 150 OHM J 1/6W
R732	RC/+6391JT+++	CARBON T 390 OHM J 1/6W
R734	RC/+6391JT+++	CARBON T 390 OHM J 1/6W
R735	RC/+6391JT+++	CARBON T 390 OHM J 1/6W
R736	RC/+6391JT+++	CARBON T 390 OHM J 1/6W
R737	RC/+6391JT+++	CARBON T 390 OHM J 1/6W
R738	RC/+6391JT+++	CARBON T 390 OHM J 1/6W
R739	RC/+6683JT+++	CARBON T 68K OHM J 1/6W
R740	RC/+6683JT+++	CARBON T 68K OHM J 1/6W
R741	RC/+6683JT+++	CARBON T 68K OHM J 1/6W
R742	RC/+6683JT+++	CARBON T 68K OHM J 1/6W
R743	RC/+6683JT+++	CARBON T 68K OHM J 1/6W
R744	RC/+6562JT+++	CARBON T 5.6K OHM J 1/6W
R745	RC/+6562JT+++	CARBON T 5.6K OHM J 1/6W
R746	RC/+6562JT+++	CARBON T 5.6K OHM J 1/6W
R747	RC/+6562JT+++	CARBON T 5.6K OHM J 1/6W
R748	RC/+6562JT+++	CARBON T 5.6K OHM J 1/6W
R749	RC/+6561JT+++	CARBON T 560 OHM J 1/6W

Ref. No.	Part No.	Description
R750	RC/+6561JT+++	CARBON T 560 OHM J 1/6W
R751	RC/+6561JT+++	CARBON T 560 OHM J 1/6W
R752	RC/+6561JT+++	CARBON T 560 OHM J 1/6W
R753	RC/+6561JT+++	CARBON T 560 OHM J 1/6W
R826	RC/+4222JT++R	CARBON T 2.2KOHM J1/4WR25
R827	RC/+6104JT+++	CARBON T 100K OHM J 1/6W
R828	RC/+6473JT+++	CARBON T 47K OHM J 1/6W
R829	RC/+6272JT+++	CARBON T 2.7K OHM J 1/6W
R830	RC/+6392JT+++	CARBON T 3.9K OHM J 1/6W
R831	RC/+6151JT+++	CARBON T 150 OHM J 1/6W
R832	RC/+6391JT+++	CARBON T 390 OHM J 1/6W
R834	RC/+6391JT+++	CARBON T 390 OHM J 1/6W
R835	RC/+6391JT+++	CARBON T 390 OHM J 1/6W
R836	RC/+6391JT+++	CARBON T 390 OHM J 1/6W
R837	RC/+6391JT+++	CARBON T 390 OHM J 1/6W
R838	RC/+6391JT+++	CARBON T 390 OHM J 1/6W
R839	RC/+6683JT+++	CARBON T 68K OHM J 1/6W
R840	RC/+6683JT+++	CARBON T 68K OHM J 1/6W
R841	RC/+6683JT+++	CARBON T 68K OHM J 1/6W
R842	RC/+6683JT+++	CARBON T 68K OHM J 1/6W
R843	RC/+6683JT+++	CARBON T 68K OHM J 1/6W
R844	RC/+6562JT+++	CARBON T 5.6K OHM J 1/6W
R845	RC/+6562JT+++	CARBON T 5.6K OHM J 1/6W
R846	RC/+6562JT+++	CARBON T 5.6K OHM J 1/6W
R847	RC/+6562JT+++	CARBON T 5.6K OHM J 1/6W
R848	RC/+6562JT+++	CARBON T 5.6K OHM J 1/6W
R849	RC/+6561JT+++	CARBON T 560 OHM J 1/6W
R850	RC/+6561JT+++	CARBON T 560 OHM J 1/6W
R851	RC/+6561JT+++	CARBON T 560 OHM J 1/6W
R852	RC/+6561JT+++	CARBON T 560 OHM J 1/6W
R853	RC/+6561JT+++	CARBON T 560 OHM J 1/6W
R960	RC/+4182JT++R	CARBON T 1.8KOHM J1/4WR25
R961	RC/+4681JT++R	CARBON T 680 OHM J1/4WR25
R962	RC/+4681JT++R	CARBON T 680 OHM J1/4WR25
R963	RC/+4681JT++R	CARBON T 680 OHM J1/4WR25
R964	RC/+4681JT++R	CARBON T 680 OHM J1/4WR25
R965	RC/+4681JT++R	CARBON T 680 OHM J1/4WR25
R966	RC/+4102JT++R	CARBON T 1K OHM J1/4WR25
R967	RC/+4103JT++R	CARBON T 10K OHM J1/4WR25
R968	RC/+4102JT++R	CARBON T 1K OHM J1/4WR25
R969	RC/+4821JT++R	CARBON T 820 OHM J1/4WR25
R970	RC/+4561JT++R	CARBON T 560 OHM J1/4WR25
R971	RC/+4271JT++R	CARBON T 270 OHM J1/4WR25
R972	RC/+4223JT++R	CARBON T 22K OHM J1/4WR25

BALANCE/SWITCH PCB ASSY

Ref. No.	Part No.	Description
63	141-4-285T-21471	P.C BOARD ASSY, BALANCE/SWITCH
	4-267T-11300	SOCKET, TO AMP
S9	4-248T-06800	SWITCH, MUTE
S10	4-248T-07800	SWITCH, MODE
S12	4-248T-06800	SWITCH, EQUALIZER
VR706	4-220T-30300	VARIABLE RESISTOR, 250KW, BALANCE
IC704	SITC9177P++++	IC TC9177P DIP20
IC705	SILA6458S++++	IC LA6458S SIP9
C726	CB+25273KRXRF	BC CON 0.027MF 25V K R XR
C727	CE+50105MR++F	ELECT 1MF 50V M R
C728	CC+50181KRYBF	CERAMIC 180PF 50V K R YB
C729	CE+16106MR++F	ELECT 10MF 16V M R
C730	CE+50105MR++F	ELECT 1MF 50V M R
C826	CB+25273KRXRF	BC CON 0.027MF 25V K R XR
C827	CE+50105MR++F	ELECT 1MF 50V M R
C828	CC+50181KRYBF	CERAMIC 180PF 50V K R YB
C829	CE+16106MR++F	ELECT 10MF 16V M R
C830	CE+50105MR++F	ELECT 1MF 50V M R
C925	CC+50103ZRZFF	CERAMIC 0.01MF 50V Z R ZF
C926	CE+16476MR++F	ELECT 47MF 16V M R
C927	CC+50103ZRZFF	CERAMIC 0.01MF 50V Z R ZF
C928	CE+16476MR++F	ELECT 47MF 16V M R

PARTS LIST

Ref. No.	Part No.	Description
R754	RC/+4222JT++R	CARBON T 2.2KOHM J1/4WR25
R755	RC/+6222JT+++	CARBON T 2.2K OHM J 1/6W
R756	RC/+4153JT++R	CARBON T 15K OHM J1/4WR25
R757	RC/+6105JT+++	CARBON T 1M OHM J 1/6W
R758	RC/+6393JT+++	CARBON T 39K OHM J 1/6W
R759	RC/+6224JT+++	CARBON T 220K OHM J 1/6W
R760	RC/+6562JT+++	CARBON T 5.6K OHM J 1/6W
R761	RC/+6473JT+++	CARBON T 47K OHM J 1/6W
R854	RC/+4222JT++R	CARBON T 2.2KOHM J1/4WR25
R855	RC/+6222JT+++	CARBON T 2.2K OHM J 1/6W
R856	RC/+4153JT++R	CARBON T 15K OHM J1/4WR25
R857	RC/+6105JT+++	CARBON T 1M OHM J 1/6W
R858	RC/+6393JT+++	CARBON T 39K OHM J 1/6W
R859	RC/+6224JT+++	CARBON T 220K OHM J 1/6W
R860	RC/+6562JT+++	CARBON T 5.6K OHM J 1/6W
R861	RC/+6473JT+++	CARBON T 47K OHM J 1/6W

STANDBY INDICATOR PCB ASSY

Ref. No.	Part No.	Description
64	141-4-285T-21571	P.C BOARD ASSY, STANDBY INDICATOR
D913	SLSLP138CB50R	LED SLP138C-50 B RED
D914	SLSLP138CB50R	LED SLP138C-50 B RED

MAIN PCB ASSY

Ref. No.	Part No.	Description
65	141-4-285T-21671	P.C BOARD ASSY, MAIN
	4-237T-11483	TERMINAL BOARD, 8P
	4-209T-01174	POZISTOR, 110° C
	4-232T-06300	RELAY
	4-232T-08000	RELAY
	4-236T-32273	PLUG, 3P
	4-240T-11200	SOCKET, 3P
	4-240T-11273	SOCKET, 6P
L701	4-265T-05800	V.H.F COIL
L801	4-265T-05800	V.H.F COIL
SVR701	4-222T-62077	SEMI-FIXED RESISTOR, 1KB
SVR801	4-222T-62077	SEMI-FIXED RESISTOR, 1KB
Q706	STD1468S+++++	TR 2SD1468 S
Q707	STA1016G+++++	TR 2SA1016 G
Q708	STA1016G+++++	TR 2SA1016 G
Q709	STA1016G+++++	TR 2SA1016 G
Q710	STA1209S+++++	TR 2SA1209 S
Q711	STD612+F+++++	TR 2SD612 F
Q712	STC2911S+++++	TR 2SC2911 S
Q713	STC2911S+++++	TR 2SC2911 S
Q714	STC2238O+++++	TR 2SC2238 O
or	STC2344E+++++	TR 2SC2344 E
Q715	STA1011E+++++	TR 2SA1011 E
or	STA968+O+++++	TR 2SA968 O
Q716	⚠ STC3281O+++++	TR 2SC3281 O
Q717	⚠ STA1302O+++++	TR 2SA1302 O
Q806	STD1468S+++++	TR 2SD1468 S
Q807	STA1016G+++++	TR 2SA1016 G
Q808	STA1016G+++++	TR 2SA1016 G
Q809	STA1016G+++++	TR 2SA1016 G
Q810	STA1209S+++++	TR 2SA1209 S
Q811	STD612+F+++++	TR 2SD612 F
Q812	STC2911S+++++	TR 2SC2911 S
Q813	STC2911S+++++	TR 2SC2911 S
Q814	STC2238O+++++	TR 2SC2238 O
or	STC2344E+++++	TR 2SC2344 E
Q815	STA1011E+++++	TR 2SA1011 E
or	STA968+O+++++	TR 2SA968 O
Q816	⚠ STC3281O+++++	TR 2SC3281 O
Q817	⚠ STA1302O+++++	TR 2SA1302 O
Q901	⚠ STD325+E+++++	TR 2SD325 E
Q902	⚠ STB511+E+++++	TR 2SB511 E
Q904	STC1740S+++++	TR 2SC1740 S
or	STC536+G+++U1	TR 2SC536 G AUD SP
Q905	STA608+G+++++	TR 2SA608 G
Q906	STC536+G+K+U+	TR 2SC536K G AUD
D701	SDDS442+X+++T	DIODE DS442 X
D702	SDDS442+X+++T	DIODE DS442 X
D703	SDDS442+X+++T	DIODE DS442 X
D801	SDDS442+X+++T	DIODE DS442 X
D802	SDDS442+X+++T	DIODE DS442 X
D803	SDDS442+X+++T	DIODE DS442 X
D901	⚠ SDDBA60+C++++	DIODE DBA60 C
D902	⚠ SDDSF10+C+++T	DIODE DSF10 C T
D903	⚠ SDDSF10+C+++T	DIODE DSF10 C T
D904	⚠ SDDSF10+C+++T	DIODE DSF10 C T
D905	⚠ SDDSF10+C+++T	DIODE DSF10 C T
D906	SDGZA150Y++++	ZENER DIODE GZA15Y
D907	SDGZA150Y++++	ZENER DIODE GZA15Y
D912	SDDS442+X+++T	DIODE DS442 X
C30	CM+50562MR++F	MYLAR 0.0056MF 50V M R
C31	CM+50562MR++F	MYLAR 0.0056MF 50V M R
C32	CM+50562MR++F	MYLAR 0.0056MF 50V M R
C33	CM+50562MR++F	MYLAR 0.0056MF 50V M R
C34	CM+50562MR++F	MYLAR 0.0056MF 50V M R
C35	CM+50562MR++F	MYLAR 0.0056MF 50V M R
C501	CN100103JM++S	P P CON 0.01MF 100V J M
C502	CN100103JM++S	P P CON 0.01MF 100V J M
C503	CN100103JM++S	P P CON 0.01MF 100V J M
C504	CN100103JM++S	P P CON 0.01MF 100V J M
C731	CE+50105MR++F	ELECT 1MF 50V M R
C732	CC+50471KRYBF	CERAMIC 470PF 50V K R YB
C733	CM+50471MR++F	MYLAR 470PF 50V M R
C734	CC+50080KRSLF	CERAMIC 8PF 50V K R SL
C735	CC500330KDSLS	CERAMIC 33PF 500V K D SL
C736	CC500101KDSLS	CERAMIC 100PF 500V K D SL
C737	CC500101KDSLS	CERAMIC 100PF 500V K D SL
C738	CM+50473MR++F	MYLAR 0.047MF 50V M R
C739	CE+10107MR++F	ELECT 100MF 10V M R
C831	CE+50105MR++F	ELECT 1MF 50V M R
C832	CC+50471KRYBF	CERAMIC 470PF 50V K R YB
C833	CM+50471MR++F	MYLAR 470PF 50V M R
C834	CC+50080KRSLF	CERAMIC 8PF 50V K R SL
C835	CC500330KDSLS	CERAMIC 33PF 500V K D SL
C836	CC500101KDSLS	CERAMIC 100PF 500V K D SL
C837	CC500101KDSLS	CERAMIC 100PF 500V K D SL
C838	CM+50473MR++F	MYLAR 0.047MF 50V M R
C839	CE+10107MR++F	ELECT 100MF 10V M R
C901	4-223T-13771	CAPACITOR 0.022MF 200V
C902	4-223T-13771	CAPACITOR 0.022MF 200V
C903	4-163T-11600	ELECT 8200MF 80V
C904	4-163T-11600	ELECT 8200MF 80V
C905	CF+50104JR++F	METAL POLY 0.1MF 50V J R
C906	CF+50104JR++F	METAL POLY 0.1MF 50V J R
C907	CE+35477MY++S	ELECT 470MF 35V M Y
C908	CE+35477MY++S	ELECT 470MF 35V M Y
C909	CE+16476MR++F	ELECT 47MF 16V M R
C910	CE+16476MR++F	ELECT 47MF 16V M R
C911	4-163T-11779	ELECT 100MF 100V
C912	4-163T-11779	ELECT 100MF 100V
C980	CC+50103ZRZFF	CERAMIC 0.01MF 50V Z R ZF
C981	CC+50102KRYBF	CERAMIC 0.001MF 50V K R YB
R500	RC/+4100JT++R	CARBON T 10 OHM J1/4WR25
R501	RC/+4100JT++R	CARBON T 10 OHM J1/4WR25
R762	RC/+4102JT++R	CARBON T 1K OHM J1/4WR25
R763	RC/+4683JT++R	CARBON T 68K OHM J1/4WR25
R764	RC/+4473JT++R	CARBON T 47K OHM J1/4WR25
R765	RC/+4471JT++R	CARBON T 470 OHM J1/4WR25
R766	RC/+4472JT++R	CARBON T 4.7KOHM J1/4WR25
R767	RC/+4472JT++R	CARBON T 4.7KOHM J1/4WR25
R768	RC/+4221JT++R	CARBON T 220 OHM J1/4WR25
R769	RC/+4333JT++R	CARBON T 33K OHM J1/4WR25
R770	RC/+4273JT++R	CARBON T 27K OHM J1/4WR25
R771	RC/+4270JT++R	CARBON T 27 OHM J1/4WR25
R772	RC/+4270JT++R	CARBON T 27 OHM J1/4WR25

PARTS LIST

Ref. No.	Part No.	Description
R773	RC/+4682JT++R	CARBON T 6.8KOHM J1/4WR25
R774	RC/+4682JT++R	CARBON T 6.8KOHM J1/4WR25
R775	RC/+4332JT++R	CARBON T 3.3KOHM J1/4WR25
R776	RC/+4152JT++R	CARBON T 1.5KOHM J1/4WR25
R777	⚠ RF/+2391JSFP+	FP-CARBON S 390 J 1/2W
R778	4-221T-03600	RESISTOR 0.47 OHM 5WX2
R779	RM++1100JS+++	METAL S 10 OHM J 1W
R780	RM++15R6JS+++	METAL S 5.6 OHM J 1W
R783	RC/+4331JT++R	CARBON T 330 OHM J1/4WR25
R784	⚠ RF/+4221JSFPR	FP-CARBON S 220 J 1/4WR25
R785	RC/+4104JT++R	CARBON T 100KOHM J1/4WR25
R862	RC/+4102JT++R	CARBON T 1K OHM J1/4WR25
R863	RC/+4683JT++R	CARBON T 68K OHM J1/4WR25
R864	RC/+4473JT++R	CARBON T 47K OHM J1/4WR25
R865	RC/+4471JT++R	CARBON T 470 OHM J1/4WR25
R866	RC/+4472JT++R	CARBON T 4.7KOHM J1/4WR25
R867	RC/+4472JT++R	CARBON T 4.7KOHM J1/4WR25
R868	RC/+4221JT++R	CARBON T 220 OHM J1/4WR25
R869	RC/+4333JT++R	CARBON T 33K OHM J1/4WR25
R870	RC/+4273JT++R	CARBON T 27K OHM J1/4WR25
R871	RC/+4270JT++R	CARBON T 27 OHM J1/4WR25
R872	RC/+4270JT++R	CARBON T 27 OHM J1/4WR25
R873	RC/+4682JT++R	CARBON T 6.8KOHM J1/4WR25
R874	RC/+4682JT++R	CARBON T 6.8KOHM J1/4WR25
R875	RC/+4332JT++R	CARBON T 3.3KOHM J1/4WR25
R876	RC/+4152JT++R	CARBON T 1.5KOHM J1/4WR25
R877	⚠ RF/+2391JSFP+	FP-CARBON S 390 J 1/2W
R878	4-221T-03600	RESISTOR 0.47 OHM/5WX2
R879	RM++1100JS+++	METAL S 10 OHM J 1W
R880	RM++15R6JS+++	METAL S 5.6 OHM J 1W
R883	RC/+4331JT++R	CARBON T 330 OHM J1/4WR25
R884	⚠ RF/+4221JSFPR	FP-CARBON S 220 J 1/4WR25
R885	RC/+4104JT++R	CARBON T 100KOHM J1/4WR25
R902	⚠ RF/+4220JSFPR	FP-CARBON S 22 J 1/4W R25
R903	⚠ RF/+4220JSFPR	FP-CARBON S 22 J 1/4W R25
R904	RC/+4332JT++R	CARBON T 3.3KOHM J1/4WR25
R905	RC/+4332JT++R	CARBON T 3.3KOHM J1/4WR25
R906	⚠ RF/+4330JSFPR	FP-CARBON S 33 J 1/4W R25
R907	⚠ RF/+4330JSFPR	FP-CARBON S 33 J 1/4W R25
R914	RC/+4473JT++R	CARBON T 47K OHM J1/4WR25
R915	RC/+4473JT++R	CARBON T 47K OHM J1/4WR25
R916	RC/+4332JT++R	CARBON T 3.3KOHM J1/4WR25
R917	RC/+4103JT++R	CARBON T 10K OHM J1/4WR25
R918	RC/+4103JT++R	CARBON T 10K OHM J1/4WR25
R919	RC/+4103JT++R	CARBON T 10K OHM J1/4WR25
R920	RC/+4473JT++R	CARBON T 47K OHM J1/4WR25
R980	RC/+4683JT++R	CARBON T 68K OHM J1/4WR25
R981	RF/+4101JSFPR	FP-CARBON S 100 J 1/4WR25

SPEAKER SWITCH PCB ASSY

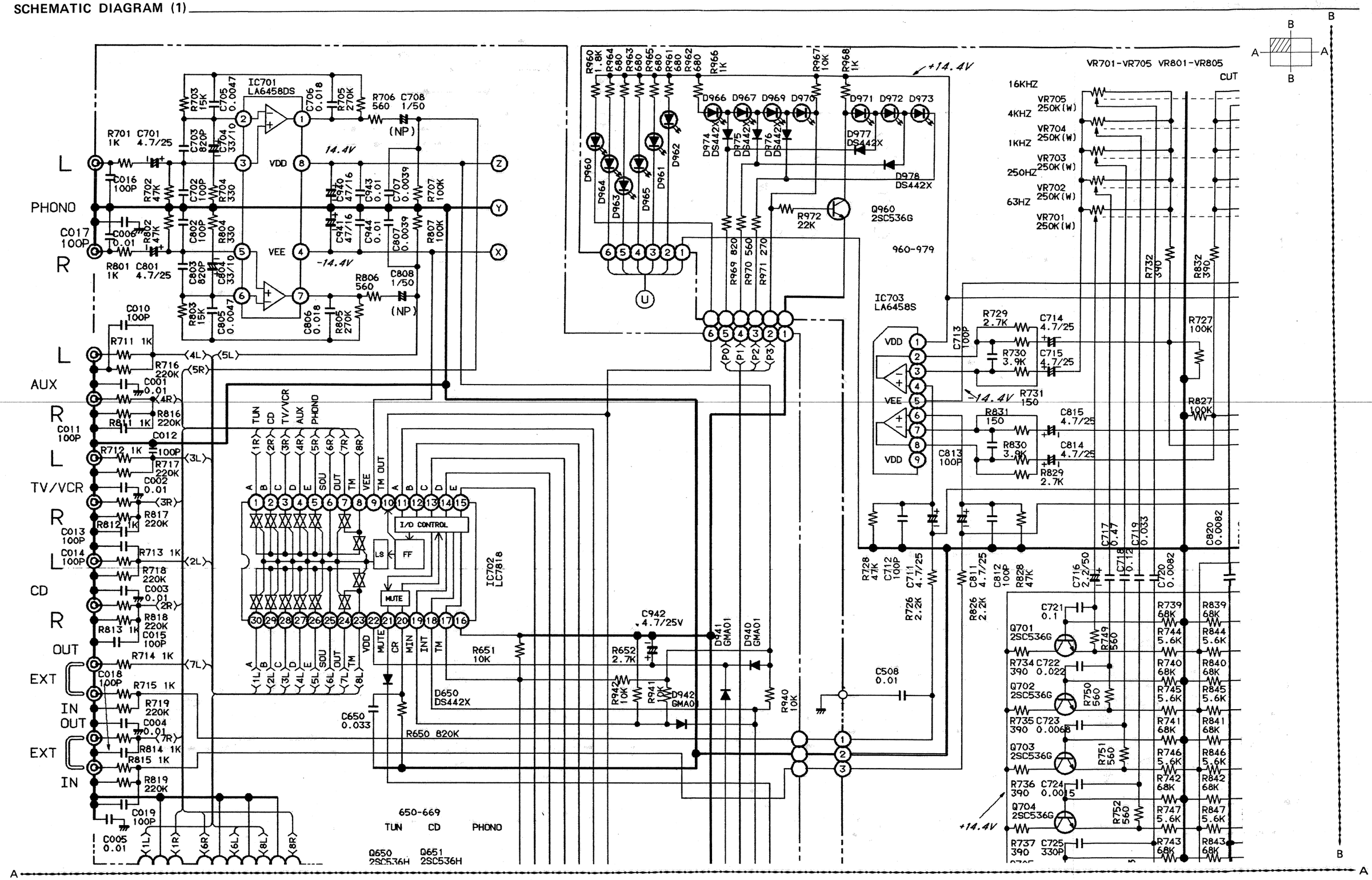
Ref. No.	Part No.	Description
66	141-4-285T-21771	P.C BOARD ASSY, SPEAKER SWITCH
	141-2-381T-04202	BRACKET FUSE
	4-267T-06971	SOCKET, HEADPHONE
S13/14	4-248T-07700	SWITCH, SPEAKER
C505	CC+50103ZD++S	CERAMIC 0.01MF 50V Z
C506	CC+50103ZD++S	CERAMIC 0.01MF 50V Z
R781	RM++2331JS+++	METAL S 330 OHM J 2W
R881	RM++2331JS+++	METAL S 330 OHM J 2W

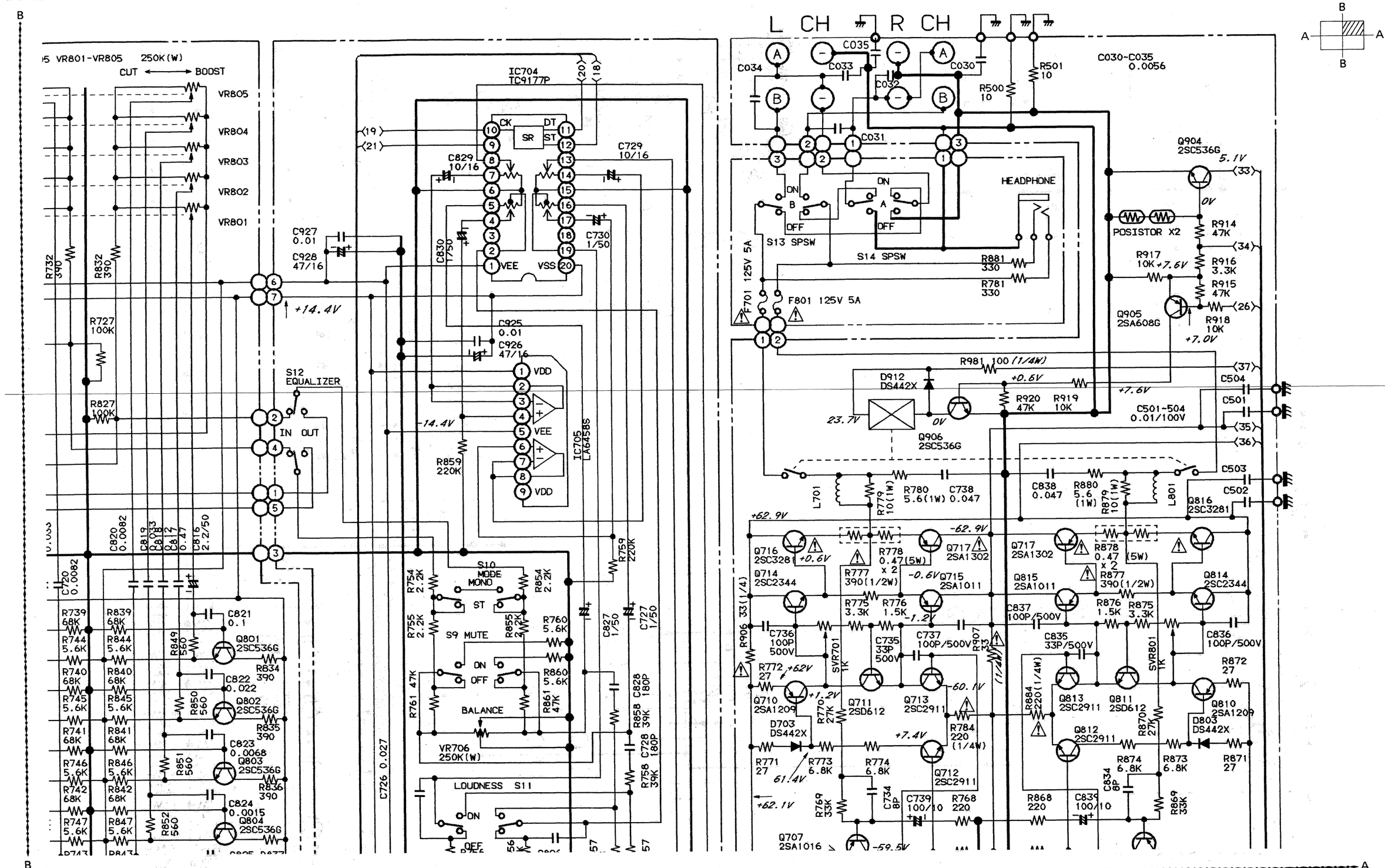
POWER TRANSFORMER PCB ASSY

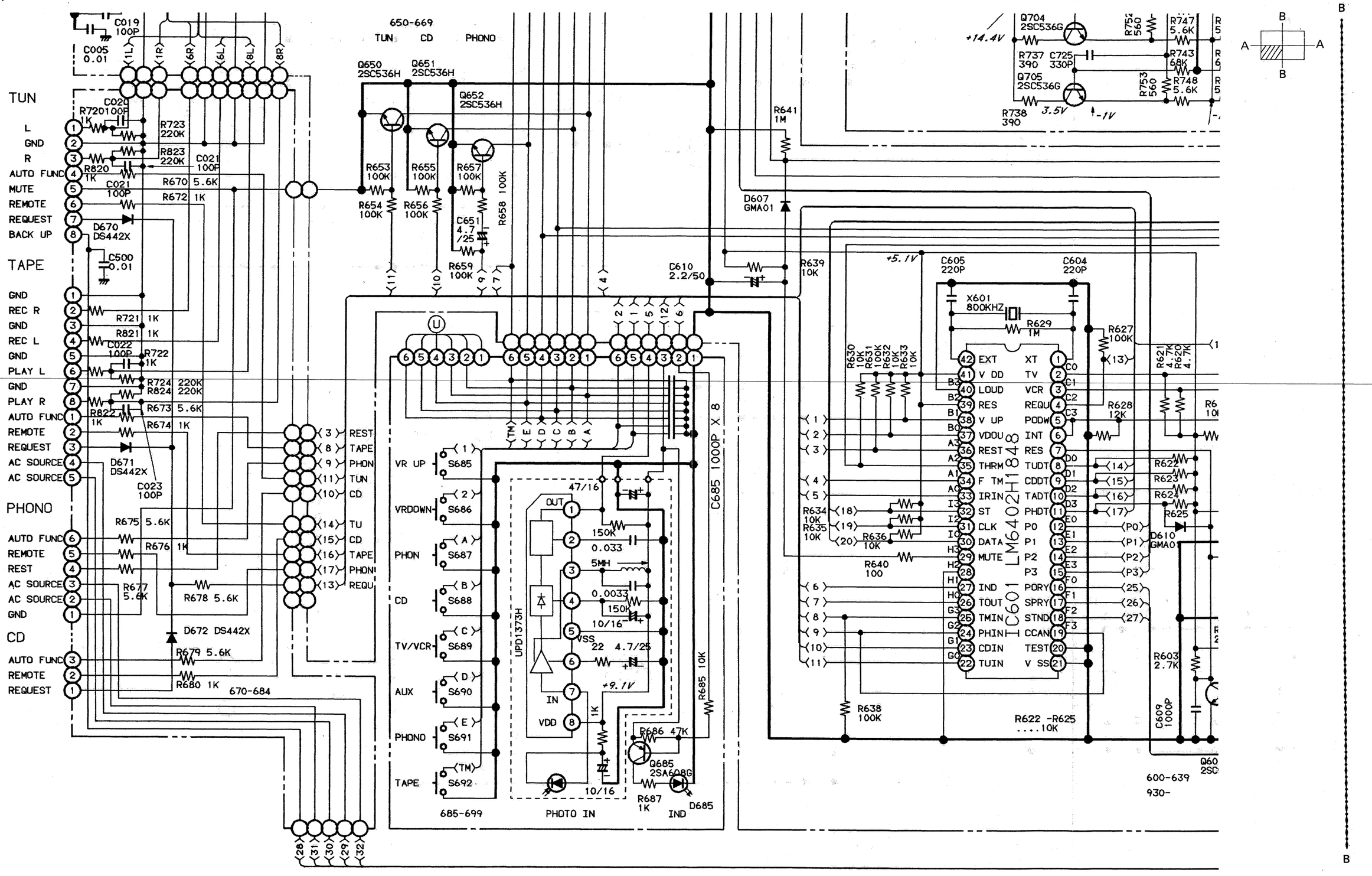
Ref. No.	Part No.	Description
67	141-4-285T-21871	P.C BOARD ASSY, POWER TRANSFORMER
	⚠ 4-320T-09300	SUB POWER TRANSFORMER
	⚠ 4-232T-09000	RELAY
	141-2-381T-04202	BRACKET, FUSE
	4-240T-11272	SOCKET, 5P
	4-237T-00100	TERMINAL BOARD
	141-2-382T-18900	TERMINAL, AC CORD
	141-2-472T-00401	LUG
Q903	STA608+G+++++	TR 2SA608 G
D909	SDGZA056Y++++	ZENER DIODE GZA5.6Y
D910	SDDS442+X+++T	DIODE DS442 X
D915	⚠ SDDSF10+C+++T	DIODE DSF10 C T
D916	⚠ SDDSF10+C+++T	DIODE DSF10 C T
D917	⚠ SDDSF10+C+++T	DIODE DSF10 C T
D918	⚠ SDDSF10+C+++T	DIODE DSF10 C T
C507	CC+50103ZD++S	CERAMIC 0.01MF 50V Z
C900	⚠ 4-223T-12280	CAPACITOR 0.01MF 125V
C914	CC+50103ZRZFF	CERAMIC 0.01MF 50V Z R ZF
C915	CE+16106MR++F	ELECT 10MF 16V M R
C916	CE+16227MY++S	ELECT 220MF 16V M Y
R903	RC/+4822JT++R	CARBON T 8.2KOHM J1/4WR25
R908	⚠ RF/+4010JSFPR	FP-CARBON S 1 J 1/4W R25
R909	⚠ RF/+4010JSFPR	FP-CARBON S 1 J 1/4W R25
R910	RC/+4104JT++R	CARBON T 100KOHM J1/4WR25
R911	RC/+4104JT++R	CARBON T 100KOHM J1/4WR25
R912	RC/+4473JT++R	CARBON T 47K OHM J1/4WR25
R913	RC/+4332JT++R	CARBON T 3.3KOHM J1/4WR25
R922	RC/+4470JT++R	CARBON T 47 OHM J1/4WR25
R923	⚠ RF/+4010JSFPR	FP-CARBON S 1 J 1/4W R25
R924	⚠ RF/+4010JSFPR	FP-CARBON S 1 J 1/4W R25

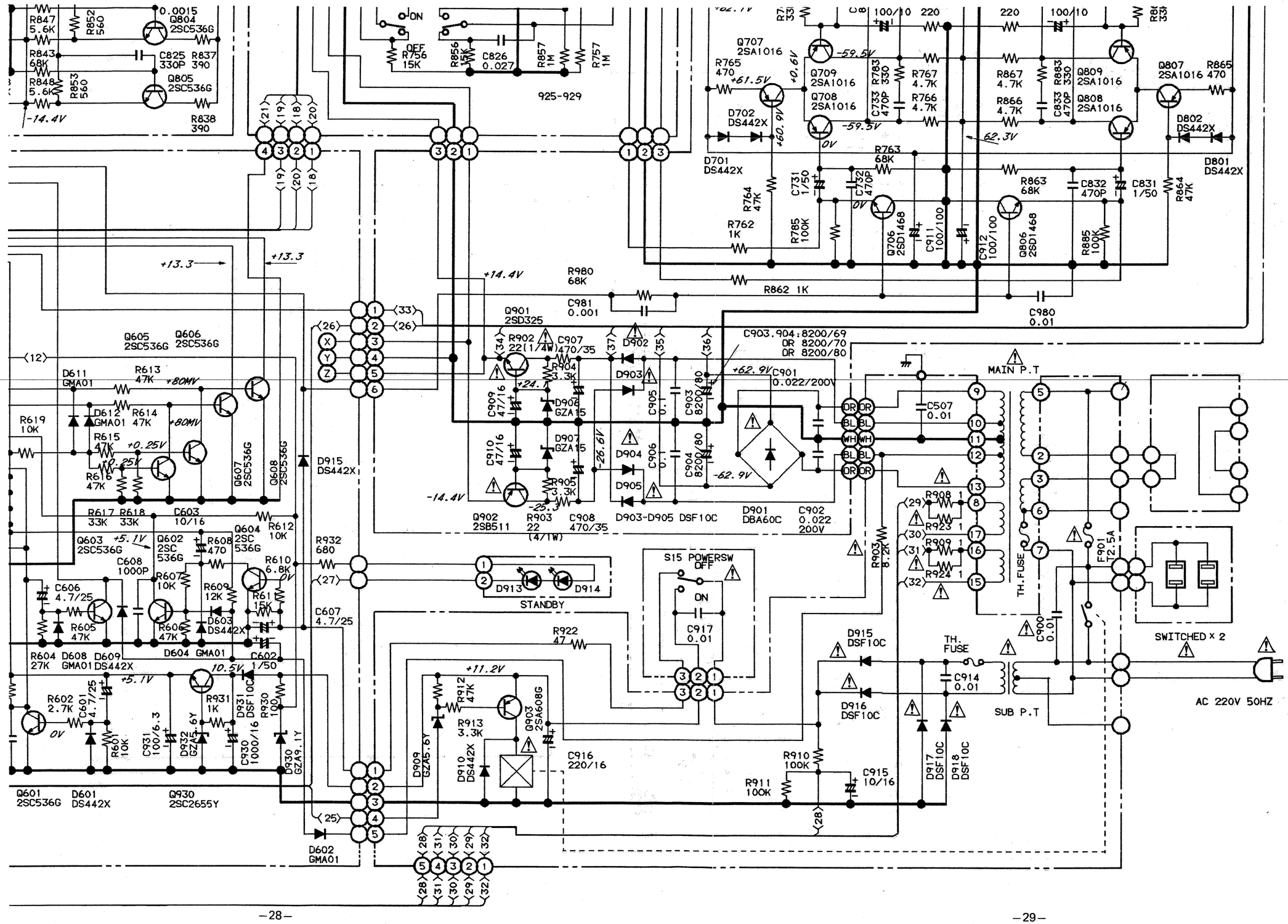
POWER SWITCH PCB ASSY

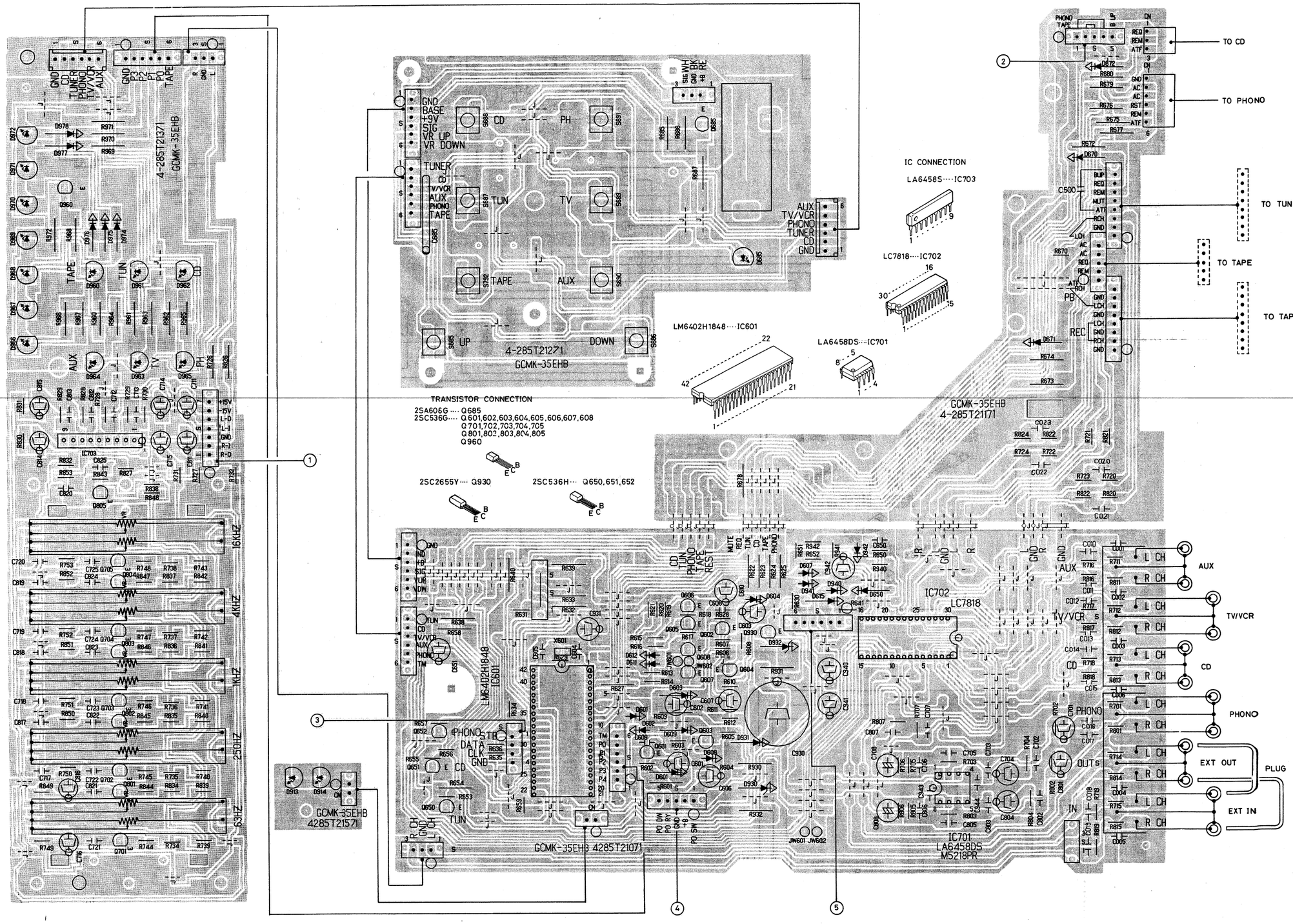
Ref. No.	Part No.	Description
68	141-4-285T-21971	P.C BOARD ASSY, POWER SWITCH
S15	⚠ 4-238T-83100	SWITCH, POWER
C917	CC+50103ZRZFF	CERAMIC 0.01MF 50V Z R ZF

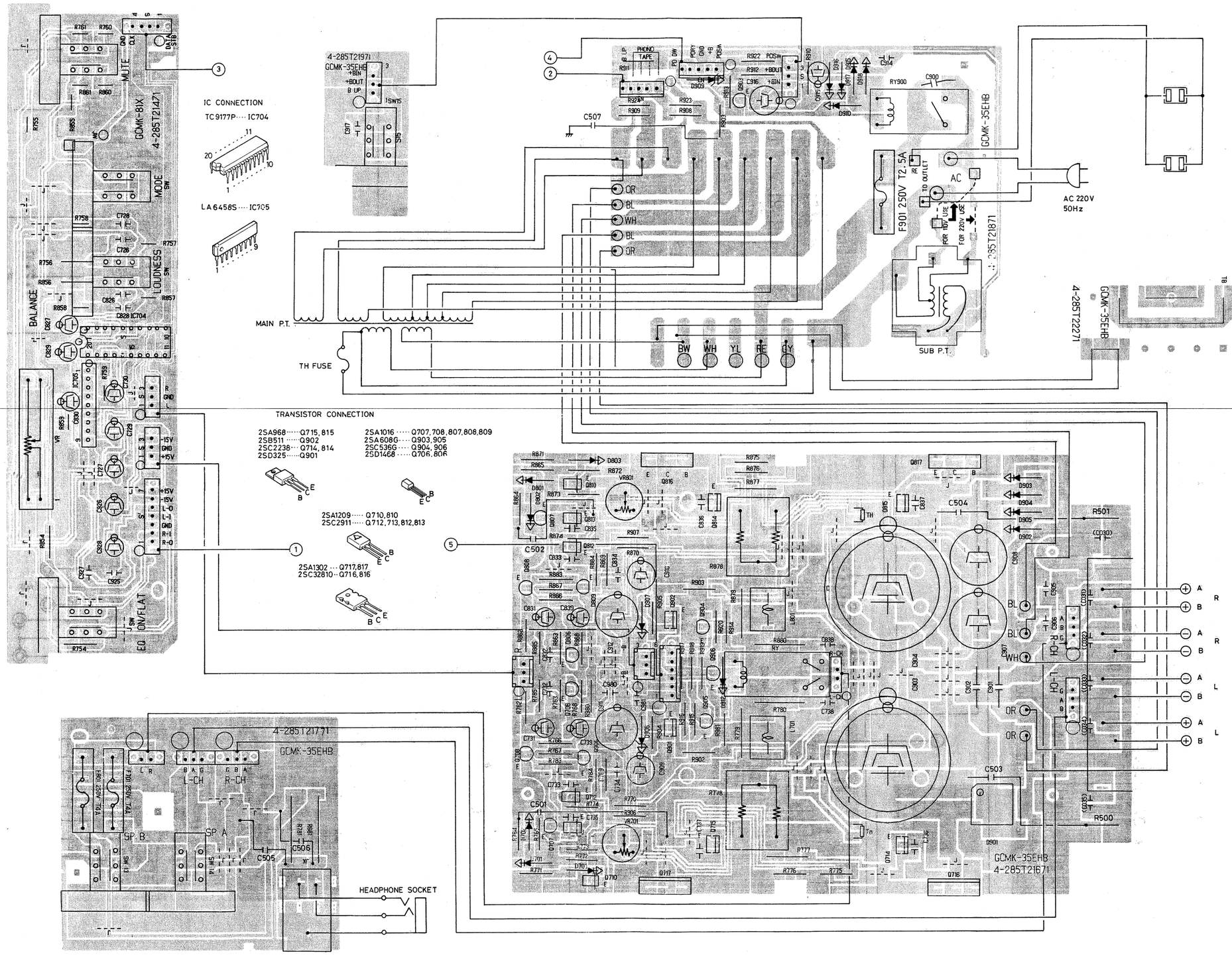

IC701 LA6458DS
IC703 LA6458S
IC702 LC7818
I/O CONTROL
MUTE
VR701-VR705 VR801-VR805
CUT
16KHZ
4KHZ
1KHZ
250HZ
63HZ
VR705 250K(W)
VR704 250K(W)
VR703 250K(W)
VR702 250K(W)
VR701 250K(W)
+14.4V
-14.4V
960-979
650-669
TUN CD PHONO
Q960 2SC536G
Q650 2SC536H
Q651 2SC536H
D650 DS442X
PHONO
AUX
TV/VCR
CD
EXT IN
EXT OUT


L CH
R CH
VR801-VR805 250K(W)
CUT ⟷ BOOST
VR805
VR804
VR803
VR802
VR801
IC704
TC9177P
IC705
LA6458S
C927 0.01
C928 47/16
C829 10/16
C729 10/16
C830 1/50
C730 1/50
C925 0.01
C926 47/16
+14.4V
14.4V
R859 220K
R727 100K
R827 100K
S12 EQUALIZER
IN OUT
R732 390
R832 390
C820 0.0082
C819 0.033
C818 0.1
C817 0.47
C816 2.2/50
C720 0.0082
S10 MODE MONO ST
S9 MUTE ON OFF
BALANCE
VR706 250K(W)
LOUDNESS S11
R754 2.2K
R755 2.2K
R854 2.2K
R855 2.2K
R760 5.6K
R860 5.6K
R761 47K
R861 47K
R858 39K
R828 180P
R758 39K
R728 180P
R759 220K
C827 1/50
C727 1/50
C726 0.027
C821 0.1
C822 0.022
C823 0.0068
C824 0.0015
Q801 2SC536G
Q802 2SC536G
Q803 2SC536G
Q804 2SC536G
R834 390
R835 390
R836 390
R849 560
R850 560
R851 560
R852 560
R739 68K
R744 5.6K
R740 68K
R745 5.6K
R741 68K
R746 5.6K
R742 68K
R747 5.6K
R839 68K
R844 5.6K
R840 68K
R845 5.6K
R841 68K
R846 5.6K
R842 68K
R847 5.6K
C035
C034
C033
C032
C030
C031
R501 10
R500 10
C030~C035 0.0056
ON B OFF
ON A OFF
HEADPHONE
S13 SPSW
S14 SPSW
F701 125V 5A
F801 125V 5A
R881 330
R781 330
Q904 2SC536G
5.1V
0V
POSISTOR X2
R914 47K
R917 10K +7.6V
R916 3.3K
R915 47K
Q905 2SA608G
R918 10K
+7.0V
R981 100 (1/4W)
D912 DS442X
+0.6V
+7.6V
23.7V
R920 47K
R919 10K
C501~504 0.01/100V
C504
C501
C503
C502
Q906 2SC536G
L701
R779 10(1W)
R780 5.6(1W)
C738 0.047
C838 0.047
R880 5.6 (1W)
R879 10(1W)
L801
Q816 2SC3281
+62.9V
-62.9V
Q716 2SC3281
+0.6V
Q714 2SC2344
R778 0.47(5W) x 2
R777 390(1/2W)
Q717 2SA1302
-0.6V
Q715 2SA1011
R775 3.3K
R776 1.5K
-1.2V
Q717 2SA1302
Q815 2SA1011
R878 0.47 (5W) x 2
R877 390(1/2W)
Q814 2SC2344
R876 1.5K
R875 3.3K
C837 100P/500V
C836 100P/500V
C835 33P/500V
R906 33(1/4)
C736 100P 500V
C735 33P 500V
C737 100P/500V
SVR701 1K
R907 33 (1/4W)
SVR801 1K
R772 27
+62V
Q710 2SA1209
+1.2V
Q711 2SD612
Q713 2SC2911
60.1V
R770 27K
R784 220 (1/4W)
R884 2201(1/4W)
Q813 2SC2911
Q811 2SD612
Q810 2SA1209
D703 DS442X
+7.4V
D803 DS442X
R771 27
R773 6.8K
61.4V
R774 6.8K
Q712 2SC2911
R874 6.8K
R873 6.8K
R871 27
Q812 2SC2911
+62.1V
R769 33K
C734 8P
C739 100/10
R768 220
R868 220
C839 100/10
C834 8P
R869 33K
Q707 2SA1016
-59.5V


650-669
TUN CD PHONO
TUN
L
GND
R
AUTO FUNC
MUTE
REMOTE
REQUEST
BACK UP
TAPE
GND
REC R
GND
REC L
GND
PLAY L
GND
PLAY R
AUTO FUNC
REMOTE
REQUEST
AC SOURCE
AC SOURCE
PHONO
AUTO FUNC
REMOTE
REST
AC SOURCE
AC SOURCE
GND
CD
AUTO FUNC
REMOTE
REQUEST
670-684
685-699
PHOTO IN
600-639
930-
IC601 LM6402H1848
UPD1373H
X601 800KHZ
+14.4V
+5.1V
+9.1V
3.5V
-1V
Q650 2SC536H
Q651 2SC536H
Q652 2SC536H
Q704 2SC536G
Q705 2SC536G
Q685 2SA608G
D607 GMA01
D610 GMA01
D670 DS442X
D671 DS442X
D672 DS442X
D685 IND
VR UP
VRDOWN
PHON
CD
TV/VCR
AUX
PHONO
TAPE
REST
TAPE
PHON
TUN
CD
TU
CD
TAPE
PHON
REQU
EXT
V DD
LOUD
RES
V UP
VDOU
REST
THRM
F TM
IRIN
ST
CLK
DATA
MUTE
IND
TOUT
TMIN
PHIN
CDIN
TUIN
XT
TV
VCR
REQU
PODW
INT
RES
TUDT
CDDT
TADT
PHDT
P0
P1
P2
P3
PORY
SPRY
STND
CCAN
TEST
V SS
R622 -R625 ....10K

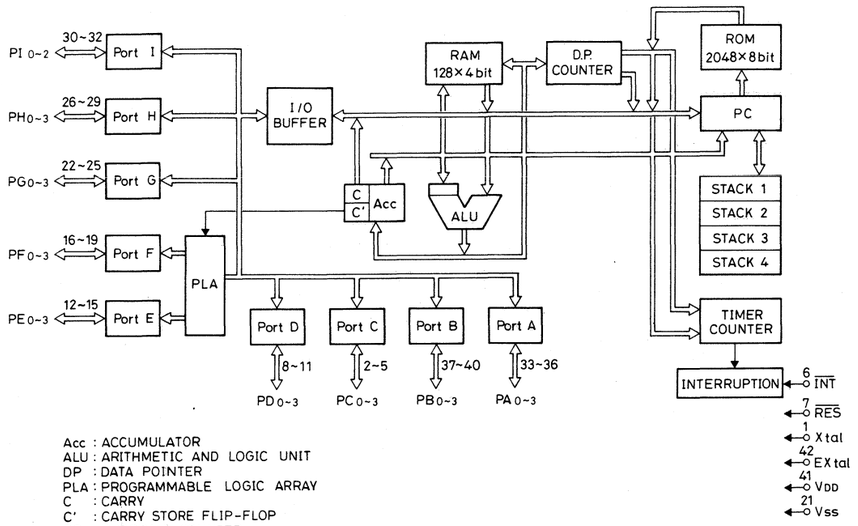

R847 5.6K
R852 560
0.0015
Q804 2SC536G
R843 68K
C825 330P
R837 390
R848 5.6K
R853 560
Q805 2SC536G
-14.4V
R838 390
ON
OFF
R756 15K
R856 15K
C826 0.027
R857 1M
R757 1M
925-929
Q707 2SA1016
R765 470
+61.5V
+0.6V
-59.5V
Q709 2SA1016
Q708 2SA1016
D702 DS442X
+60.9V
D701 DS442X
R767 4.7K
R766 4.7K
C733 470P
R783 330
C732 470P
R763 68K
R764 47K
C731 1/50
R762 1K
R785 100K
Q706 2SD1468
C911 100/100
C912 100/100
Q806 2SD1468
R885 100K
R867 4.7K
R866 4.7K
Q809 2SA1016
Q808 2SA1016
C833 470P
R883 330
Q807 2SA1016
R865 470
D802 DS442X
D801 DS442X
R863 68K
C832 470P
C831 1/50
R864 47K
62.3V
R862 1K
C980 0.01
+13.3
+14.4V
R980 68K
C981 0.001
Q901 2SD325
C903.904:8200/69
OR 8200/70
OR 8200/80
C901 0.022/200V
+62.9V
MAIN P.T
Q605 2SC536G
Q606 2SC536G
R902 22(1/4W)
C907 470/35
R904 3.3K
D902
D903
D908 GZA15
C909 47/16
C905 0.1
C903 8200/80
+24.V
D907 GZA15
C910 47/16
C906 0.1
C904 8200/80
D904
D905
-26.6V
-62.9V
-14.4V
-25.3V
Q902 2SB511
R903 22 (4/1W)
C908 470/35
D903-D905 DSF10C
D901 DBA60C
C902 0.022 200V
C507 0.01
R908 1
R923 1
R909 1
R924 1
R903 8.2K
TH.FUSE
F901 T2.5A
SWITCHED x 2
AC 220V 50HZ
D611 GMA01
R613 47K
+80MV
D612 GMA01
R614 47K
R619 10K
R615 47K
+0.25V
R616 47K
Q607 2SC536G
Q608 2SC536G
D915 DS442X
R617 33K
R618 33K
C603 10/16
R612 10K
Q603 2SC536G
+5.1V
Q602 2SC 536G
R608 470
Q604 2SC 536G
R610 6.8K
0V
C608 1000P
R607 10K
R609 12K
R611 15K
C606 4.7/25
R605 47K
R606 47K
D603 DS442X
D604 GMA01
C602 1/50
10.5V
R604 27K
D608 GMA01
D609 DS442X
R602 2.7K
C601 4.7/25
R601 10K
C931 100/6.3
D932 GZA5.6Y
R931 1K
D931 DSF10C
C930 1000/16
R930 100
D930 GZA9.1Y
Q601 2SC536G
D601 DS442X
Q930 2SC2655Y
D602 GMA01
R932 680
D913
D914
STANDBY
S15 POWERSW
OFF
ON
C917 0.01
R922 47
+11.2V
R912 47K
R913 3.3K
Q903 2SA608G
D909 GZA5.6Y
D910 DS442X
C916 220/16
R910 100K
R911 100K
C915 10/16
D915 DSF10C
D916 DSF10C
D917 DSF10C
D918 DSF10C
TH. FUSE
C914 0.01
SUB P.T
C900 0.01


4-285T21271
GCMK-35EHB
4-285T21371
GCMK-35EHB
4285T21571
GCMK-35EHB 4285T21071
4-285T21171
GCMK-35EHB
TRANSISTOR CONNECTION
2SA606G Q685
2SC536G.... Q601,602,603,604,605,606,607,608
Q701,702,703,704,705
Q801,802,803,804,805
Q960
2SC2655Y Q930
2SC536H ... Q650,651,652
IC CONNECTION
LA6458S....IC703
LC7818....IC702
LM6402H1848....IC601
LA6458DS....IC701
TO CD
TO PHONO
TO TUN
TO TAPE
TO TAPE
AUX
TV/VCR
CD
PHONO
EXT OUT
EXT IN
PLUG
IC702
LC7818
IC701
LA6458DS
M5218PR
LM6402H1848
IC601


GCMK-81X
4-285T21471
MUTE
MODE SW
LOUDNESS SW
BALANCE
ON/FLAT SW
EQ
IC CONNECTION
TC9177P····IC704
LA6458S····IC705
4-285T21971
GCMK-35EHB
PHONO
TAPE
C507
MAIN P.T.
TH FUSE
F901 250V T2.5A
TO OUTLET
AC
AC 220V 50Hz
SUB P.T.
4-285T22271
GCMK-35EHB
TRANSISTOR CONNECTION
2SA968·····Q715, 815
2SB511 ·····Q902
2SC2238····Q714, 814
2SD325·····Q901
2SA1016 ····· Q707, 708, 807, 808, 809
2SA608G····· Q903, 905
2SC536G····· Q904, 906
2SD1468 ····· Q706, 806
2SA1209····· Q710, 810
2SC2911····· Q712, 713, 812, 813
2SA1302 ··· Q717, 817
2SC32810·· Q716, 816
4-285T21771
GCMK-35EHB
L-CH
R-CH
SP. B
SP. A
HEADPHONE SOCKET
C502
C501
C504
C503
R501
R500
GCMK-35EHB
4-285T21671

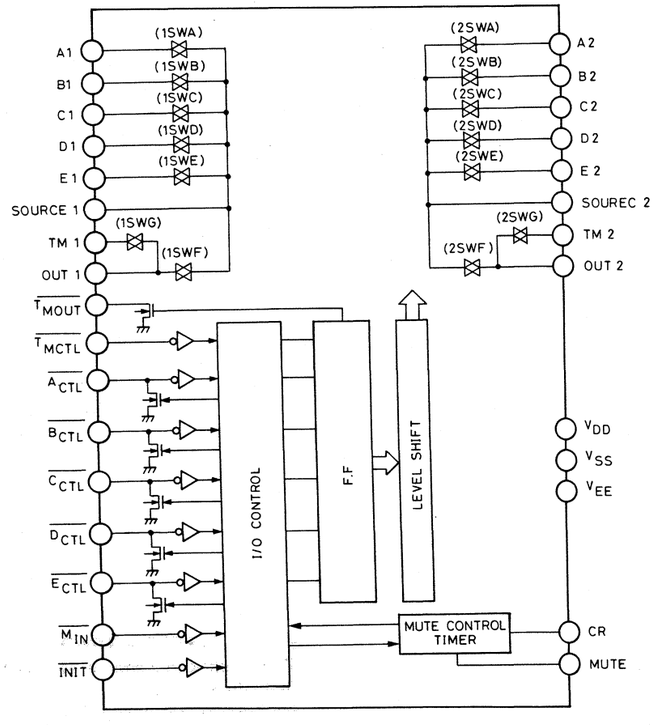
IC BLOCK DIAGRAM(1)

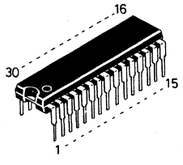
IC601 LM6402H



Acc : ACCUMULATOR
ALU : ARITHMETIC AND LOGIC UNIT
DP : DATA POINTER
PLA : PROGRAMMABLE LOGIC ARRAY
C : CARRY
C' : CARRY STORE FLIP-FLOP
PC : PROGRAM COUNTER

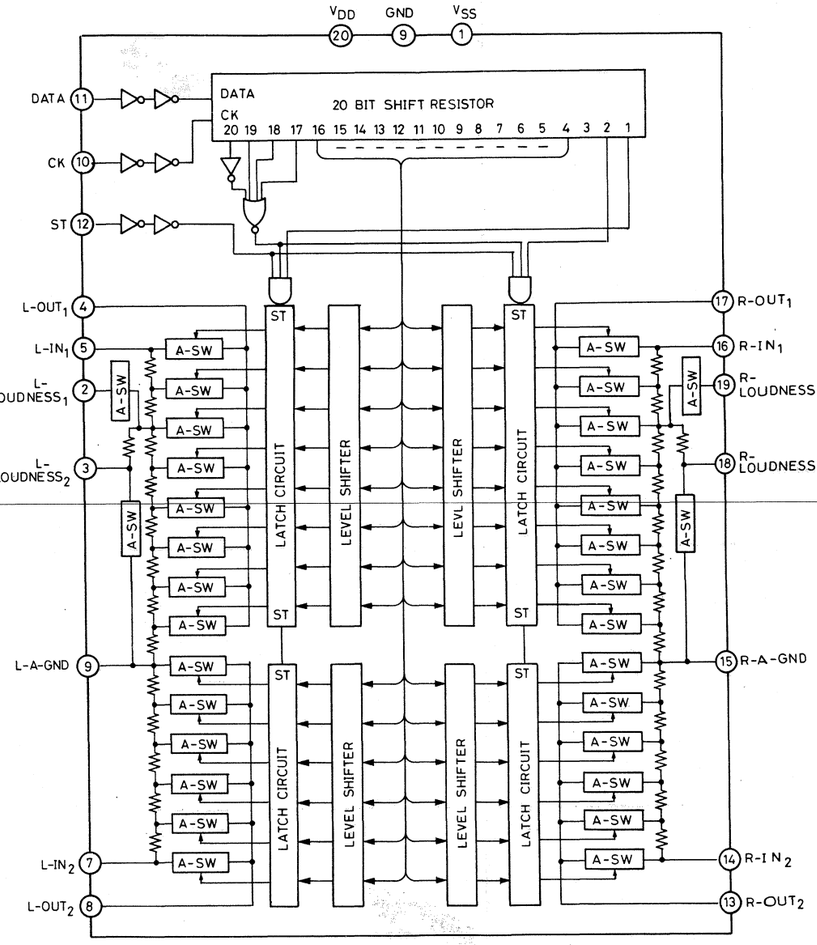
IC702 LC7818

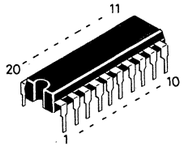




IC BLOCK DIAGRAM(2)

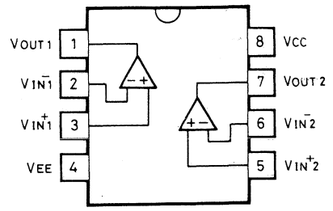
IC704 TC9177P



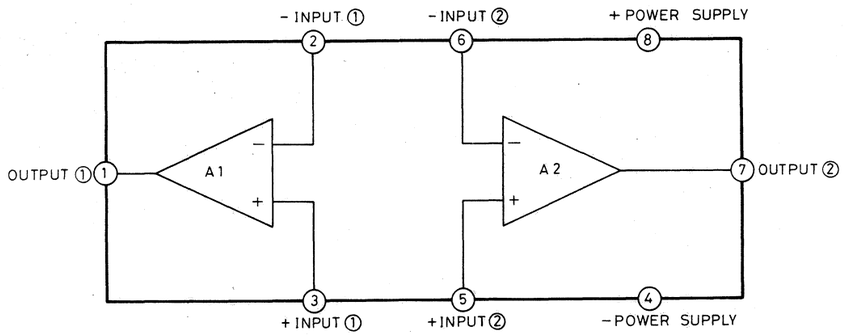


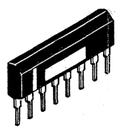
IC BLOCK DIAGRAM(3)

IC701 LA6458DS/M5218P



IC703/IC705 LA6458S





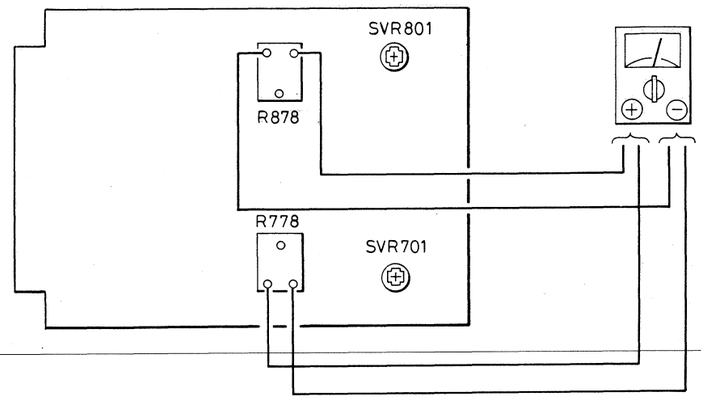
BIAS CURRENT ADJUSTMENT

CONDITIONS

VOLUME : Minimum
BALANCE : Center
EQUALIZER : Center
FUNCTION : TV/VCR
SPEAKER : OFF

Adjustment should be made after 3 minutes that the power switch is turned on.

1. Adjust SVR 701 to obtain 0.5~1.0 mV between terminals of R778.
2. Adjust SVR 801 to obtain 0.5~1.0 mV between terminals of R878.



SANYO ELECTRIC TRADING CO., LTD.
33, Hiyoshi-cho 2-chome, Moriguchishi,
Osaka-fu 570, Japan
Sep./'85/2200 NS Printed in Japan